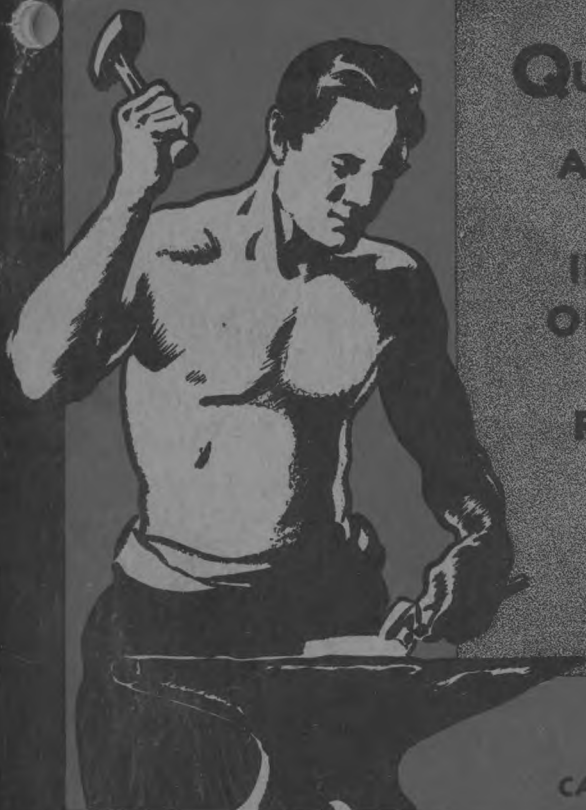




QUALITY TOOLS
FOR
AUTOMOTIVE
AVIATION
INDUSTRIAL
OIL COUNTRY
PLUMBING
RAILROADS
AND
UTILITIES

CATALOG No. 16-B

PLUMB
TOOLS

PLUMB TOOL COMPANY



MAIN OFFICE AND FACTORY

**2209 Santa Fe Avenue
LOS ANGELES, CALIF.**

WAREHOUSE STOCKS

NEW YORK, N. Y.

109 WEST 64TH STREET

PITTSBURGH, PA.

5530 BAUM BLVD.

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2312 INDIANA AVE.

KANSAS CITY

14TH & OAK STREETS

DALLAS, TEXAS

2810 MAIN STREET

PORTLAND, ORE.

925 N.W. DAVIS STREET

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NUMERICAL NET PRICE LIST

All tools to be sold at prices listed here, until superseded by new price sheet. Prices subject to change without notice

Catalog No.	Page Price No. Each	Catalog No.	Page Price No. Each	Catalog No.	Page Price No. Each	Catalog No.	Page Price No. Each
000A	56 \$.95	65 1/2 x 12	79 1.00	13-1 1/2 x 12	75 1.75	15 1/2	72 1.10
000B	56 .95	65 3/8 x 18	79 1.30	13-1 1/4 x 18	75 2.35	18	76 .45
000C	56 .15	65 1/2 x 14	79 1.30	13-1 1/4 x 12	75 1.85	18	76 .35
000D	56 .95	85 1/8 x 18	74-80 1.00	13-1 1/4 x 18	75 2.40	20	78 .50
000E	56 .95	85 1/2 x 21	74-80 1.20	13-1 1/2 x 12	75 2.55	21 1/2	78 pr. 70
003 to 040	56 .10	85 3/4 x 24	74-80 1.60	13-1 1/2 x 18	75 2.85	23-3 1/2	76 1.65
004/6 to 011/13	56 .20	85 1/2 x 30	74-80 1.95	13P-1	75 .30	23-4	76 1.75
012/14S	56 .20	87 1/2 x 30	74-80 2.35	13P-1 1/2	75 .35	27	74 1.65
014/16S	56 .20	13-1 1/4 x 12	75 .55	13P-3/4	75 .35	28	77 1.95
033 (after #33)		13-1 1/4 x 12	75 .60	13P-1 1/4	75 .45	30 1/2 x 15	72 .75
1 P & C	73 7.95	13-1 1/2 x 12	75 .65	13P-1 1/2	75 .50	30 3/4 x 8	72 .65
2 P & C	73 4.20	13-1 1/2 x 12	75 .70	13P-3/4	75 .60	30 3/4 x 12	72 1.10
3 P & C	73 2.40	13-1 3/8 x 12	75 .80	13P-7/8	75 .75	31 3/4 x 12	72 1.40
4	76 .85	13-1 3/4 x 12	75 1.00	13P-1	75 .95	31 3/4	78 .65
5 1/16	76 .65	13-1 3/4 x 18	75 .95	14 1/2 x 11 1/2	79 .90	31-3 1/2	78 .90
5 1/4	76 .90	13-1 3/4 x 18	75 1.20	14 3/4 x 9	79 .80	33-3/4	78 pr. 1.10
5 3/8	76 1.10	13-1 3/4 x 12	75 1.10	14 3/4 x 12	79 1.00	33-3 1/2	78 pr. 1.30
5 3/4	76 1.30	13-1 3/4 x 18	75 1.50	14 3/4 x 18	79 1.30	33-3 1/2	78 pr. 1.10
6 1/4 x 1 1/2	79 .90	13-1 1/2 x 12	75 1.35	14 3/4 x 14	79 1.30	33-3 1/2	78 pr. 1.30
6 1/4 x 18	79 1.20	13-1 1/2 x 18	75 1.95	15 1/2	72 .90	33-3 1/2	78 pr. 1.60

Numerical Net Price List

Catalog No.	Page No.	Price Each	Catalog No.	Page No.	Price Each	Catalog No.	Page No.	Price Each	Catalog No.	Page No.	Price Each	Catalog No.	Page No.	Price Each
41 1/2	72	.40	86A 1/2	73	.60	1151	33	2.20	1457	65	1.55	2306	57	.55
41 3/4	72	.45	86A 3/4	73	.70	1155	33	2.35	1458	65	1.55	2311	57	.85
44 1/4	72	.25	86A 3/4x8	73	.95	1160	33	2.45	1471	64	1.00	2312	57	.25
44 1/2	72	.30	86A 1x12	73	1.15	1161	33	2.80	1472	65	1.95	2401	30	.65
44 3/4	72	.35	86A 7/8x8	73	1.15	1162	33	3.10	1473	64	1.10	2402	30	.35
47 1/4x1/2	72	.30	86A 7/8x12	73	1.45	1163	33	3.95	1474	64	1.25	2403	30	.25
47 1/4x3/4	72	.35	86A 1x8	73	1.30	1164	33	4.30	1475	64	1.25	2404	30	.35
47 1/4x7/8	72	.35	86A 1x12	73	1.70	1200A	33	3.80	1476	64	1.25	2405	30	.40
47 3/4x1/2	72	.35	86AA Set	73	4.05	1200B	33	4.90	1477	64	1.50	2406	30	.55
47 3/4x3/4	72	.40	86AB Set	73	5.20	1200C	33	6.05	1501	64	2.20	2407	30	.40
47 3/4x7/8	72	.45	86AC Set	73	6.65	1200D	33	6.75	1502	64	1.85	2408	30	.30
47 3/4x1 1/4	72	.45	96 1/4	73	.40	1200E	33	15.20	1503	64	2.20	2409	30	.30
47 3/4x1 1/2	72	.65	96 1/2	73	.50	1210	32	.65	1506	64	1.65	2410	30	.30
47A Set	72	2.45	96 3/4	73	.55	1212	32	.70	1507	64	3.85	2411	30	.70
50 1/4	72	.25	96 1/2	73	.60	1214	32	.75	1508	64	2.10	2412	30	2.10
50 1/2	72	.25	96 3/4	73	.70	1216	32	.85	1509	64	4.30	2413	30	1.40
50 3/4	72	.30	96 1 1/4	73	.85	1218	32	.90	1510	64	1.55	2424	30	3.15
50 3/8	72	.30	96 1 1/2	73	1.00	1220	32	1.00	1511	64	3.40	2511	80	.80
50 7/8	72	.35	96A Set	73	3.95	1222	32	1.05	1524	65	.95	2514	1.05	1.05
50 3/4	72	.40	96B Set	73	4.95	1224	32	1.10	1525	65	1.50	2516	1.05	1.05
50 3/8	72	.45	99	67	.50	1226	32	1.15	1525B	65	.20	2517	1.40	1.40
50 3/4	72	.55	000A to 014/16S			1228	32	1.20	1525S	65	.10	2520	1.85	1.85
50A Set	72	2.10	See top of list			1230	32	1.30	1725	34	1.10	2523	2.60	2.60
60 1/4	67	.40	100	53	.25	1232	32	1.60	1730	34	1.25	2526	3.60	3.60
61 1/4	67	.45	107	79	1.40	1234	32	1.95	2000A	52	16.50	2529	5.30	5.30
62 1/4	77	.30	108-3/4x1	78	1.25	1236	32	2.25	2000B	52	18.60	2532	5.40	5.40
62 3/4	77	.30	108-1/2x1	78	1.25	1240	32	2.75	2006	52	.55	2617	32	1.75
63 1/4	77	.30	108-3/4x1	78	1.25	1300B	5.10		2010	52	1.00	2620	32	1.80
64 1/4	77	.35	109-1/4	78	1.10	1300C	7.10		2011	52	1.00	2623	32	2.55
70	77	.45	110 1/4x1 1/2	78	.85	1301	71	.85	2015	52-65	1.80	2626	32	2.70
72 1/4	72	.25	111 R&L 78 pr.	1.70		1302	71	.85	2020	57-77	.65	2629	32	3.10
72 1/2	72	.30	120 See 1420			1302H	71	.20	2021	57-77	1.00	2632	32	3.30
72 3/4	72	.35	131 1/4	78	.75	1304	71	1.00	2022	57-77	1.15	2635	32	4.20
72 1/2	72	.45	131 1/2	78	1.00	1304H	71	.20	2034	39	1.55	2638	32	4.70
72 3/4	72	.55	136	79	1.65	1306	71	1.05	2034S	39	.60	2711	1.00	1.00
72 3/4	72	.75	137	79	1.10	1306H	71	.20	2035	57	.85	2714	1.25	1.25
76 1/4	72	.25	139	79	1.65	1308	71	1.05	2036	57-67	1.00	2716	1.30	1.30
76 1/2	72	.30	141	79	2.75	1308H	71	.25	2037	57	.55	2717	1.75	1.75
76 3/4	72	.35	1036	31	1.05	1312	71	1.15	2039	65	1.00	2720	2.25	2.25
76 1/2	72	.45	1041	31	1.85	1312H	71	.25	2039B	65	1.10	2723	3.20	3.20
76 3/4	72	.55	1045	31	1.85	1316	71	1.20	2040	52-65	1.65	2726	4.30	4.30
76 1/4	72	.75	1051	31	2.15	1316H	63-71	.25	2040B	52-65	1.5	2729	6.40	6.40
80 1/4	72	.25	1053	31	2.15	1324	71	1.40	2056	40	8.55	2732	6.60	6.60
80 1/2	72	.30	1061	31	2.85	1324H	71	.30	2056A	40	8.85	3000A	36	5.10
80 3/4	72	.35	1063	31	2.95	1332	71	1.50	2056B	40	11.40	3000B	36	5.55
80 1/2	72	.45	1066	31	5.10	1332H	71	.30	2056C	40	1.05	3000C	36	8.35
80 3/4	72	.55	1068	31	5.95	1340H	71	.35	2056D	40	15.30	3000D	36	8.95
80 3/4	72	.75	1069	31	6.50	1386	65-71	1.75	2056H	40	1.45	3000E	36	9.75
86 1/4	74	2.0	1100A	34	5.35	1400C	64	14.00	2056I	40	.85	3000F	36	17.60
86 1/4	74	2.0	1100B	34	8.15	1400D	64	30.70	2056K	40-41	2.85	3000G	36	19.70
86 1/4	74	2.5	1100C	34	12.30	1406		1.75	2056L	40	.95	3000H	36	24.55
86 3/4	74	3.0	1100D	34	11.15	1416	65	2.95	2056N	40	1.45	3000J	36	14.20
86 1/2	74	3.0	1100E	34	9.95	1417	63	2.85	2056P	40	.55	3018	35	.45
86 1/2x6	74	.35	1100F	34	3.75	1417H	63	.30	2056R	40	1.55	3020	35	.45
86 1/2x8	74	.55	1100G	34	3.75	1419	65	1.75	2057	41	2.10	3021	35	.50
86 1/2x6 1/2	74	.45	1100H	34	35.45	1420 (120)	63	1.25	2057A	41	7.30	3025	35	.55
86 1/2x8	74	.60	1120	33	.85	1421	63	2.10	2057B	41	2.90	3026	35	.60
86 1/2x12	74	.85	1122	33	.90	1422	65	1.65	2057G	41	.20	3027	35	.60
86 1/2x18	74	1.00	1125	33	.95	1424	63	1.85	2057L	41	.20	3030	35	.70
86 3/4x7	74	.60	1126	33	1.00	1424H	63	.20	2057M	41	.20	3031	35	.85
86 3/4x8	74	.70	1127	33	1.05	1425	63	2.00	2057N	41	.20	3032	35	.80
86 3/4x12	74	.95	1130	33	1.05	1425H	63	.25	2075	80	38.50	3034	35	.85
86 3/4x18	74	1.30	1131	33	1.15	1426	63	2.25	2099	30	1.75	3035	35	.90
86 1/2x8	74	.80	1132	61	1.85	1427	63	1.85	2116	80	1.05	3036	35	.90
86 1/2x12	74	1.15	1133	61	1.85	1428	63	2.00	2120	80	1.50	3037	35	.95
86 1/2x18	74	1.60	1134	63	1.15	1429	65	2.25	2124	80	2.05	3038	34	1.85
86-1x8	74	.95	1135	33	1.35	1429H	65	.35	2126	80	1.40	3039	35	1.10
86-1x12	74	1.40	1136	33	1.45	1430	63-71	1.75	2130	80	1.70	3040	35	1.05
86-1x18	74	1.85	1137	33	1.45	1432	65	2.10	2145	67	3.75	3041	35	1.50
86-1 1/2x12	74	1.95	1139	33	1.50	1431	65	1.05	2218	65	1.25	3045	35	1.50
86-1 1/2x18	74	3.05	1140	33	1.60	1452	63	1.55	2236	76-80	1.20	3046	34	2.25
86A 1/4	73	.25	1141	33	2.00	1453	65	2.75	2238	76-80	1.40	3047	35	1.55
86A 3/4	73	.35	1145	33	1.80	1454	64	1.50	2303	57	.55	3048	34	2.30
86A 3/8	73	.40	1147	33	2.10	1455	64	1.55	2304	57	.55	3050	35	1.80
86A 1/2	73	.45	1150	33	2.00	1456	64	1.55	2305	57	.55	3051	35	1.95

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Catalog No.	Page	Price Each	Catalog No.	Page	Price Each	Catalog No.	Page	Price Each	Catalog No.	Page	Price Each	Catalog No.	Page	Price Each
3055	35	2.95	4020A	44	8.15	4710L	7	.40	5248B	9	1.70	5400U	62-15	23.75
3060	35	2.95	4020B	44	7.70	4710S	7	.25	5248C	9	.15	5400V	62-15	26.45
3061	35	2.95	4020C	44	10.55	4711	7	.25	5248DL	9	.20	5412S	12	.45
3030-S		.45	4021	44	2.05	4712	7	.25	5248DR	9	.20	5414	11	.45
3031-S		.55	4022	44	.95	4714	7	.25	5248H	9	.02	5414S	12	.45
3032-S		.55	4025	44	1.15	4738			5248R	9	.25	5416	11	.45
3036-S		.60	4026	44	1.20	4740	7	.50	5248S	9	.03	5416S	12	.45
3037-S		.65	4028	44	1.20	4741	7	.50	5248W	9	.45	5418	11	.45
3039-S		.70	4029	44	.45	4742	7	.45	5249	6-9	3.15	5418S	12	.45
3040-S		.75	4030A	44	19.80	4743	7	.45	5251	9	2.75	5419	11	.45
3041-S		.90	4030B	44	19.15	4745	7	.65	5251A	9	.40	5420	11	.45
3045-S		.95	4040	48	1.40	4746	7	.60	5251B	9	1.70	5420S	12	.45
3047-S		1.05	4040A	48	.35	4747	7	.65	5251D	9	.10	5421	11	.50
3061-S		1.40	4040J	48	.30	4748	6-7	1.90	5251H	9	.05	5422	11	.50
3128-S	34	2.25	4040S	48	.30	4748B	7	1.25	5251R	9	.05	5422S	12	.50
3134-S	34	3.10	4040U	48	.35	4748C	7	.10	5251S	9	.03	5424	11	.55
3140-S	34	3.80	4060A	43	5.95	4748DL	7	.15	5251SR	9	.10	5424S	12	.55
3146-S	34	4.65	4060B	43	4.05	4748DR	7	.15	5251W	9	.45	5425	11	.55
3152-S	34	5.40	4060C	43	4.25	4748H	7	.02	5252	9	.40	5426	11	.55
3200A	51	2.15	4061	43	1.00	4748R	7	.20	5253	9	.35	5426S	12	.55
3200B	51	3.15	4062 Use 4022	.95		4748S	7	.03	5254	9	.55	5428	11	.65
3200C	51	4.20	4063	43	.30	4748W	7	.30	5259	9	.60	5428S	12	.65
3200D	51	5.20	4064 (use 2056P)			4752	6-7	.35	5260	9	.70	5429	11	.65
3210	51	.45	4065 (use 2056T)			4753	7	.35	5261	9	.85	5430	11	.65
3211	51	.45	4066	43	.95	4760	7	.55	5262	9	1.00	5431	11	.65
3215	51	.45	4070A	43	8.20	4761	7	.70	5263	9	1.25	5432	11	.65
3216	51	.45	4070B	43	5.35	4763	7	.85	5265	9	1.75	5432S	12	.75
3220	51	.50	4070C	43	5.65	4769	7	.95	5270	9	1.40	5434	11	.70
3221	51	.50	4071	43	1.40	4785	7	.70	5274	8	1.45	5434S	12	.95
3225	51	.55	4400A	46	3.60	4795	7	.45	5275	8	1.45	5436	11	.85
3226	51	.55	4400B	46	8.80	5000A	8	2.20	5276	8	1.45	5438	11	.90
3400A	37	3.60	4400C	46	13.20	5014	8	.50	5277	8	1.50	5440	11	1.00
3400B	37	4.65	4400E	46	14.10	5016	8	.55	5278	8	1.60	5440S	12	1.15
3400C	37	5.65	4410	46	.80	5018	8	.55	5279	8	1.60	5444	12	.65
3400D	37	6.65	4415	46	.85	5018SP	8	.60	5280	9	1.25	5446	12	.70
3400E	37	5.00	4418	46	.90	5020	8	.60	5281	9	1.25	5448	13	3.70
3400F	37	9.60	4420	46	.95	5022SP	8	.65	5282	9	1.75	5448B	13	2.50
3412	37	.90	4422	46	.95	5026SP	8	.70	5284	9	1.95	5448C	13	.20
3414	37	.90	4423	46	.95	5112	8	.40	5295	29	1.50	5448DL	13	.20
3416	37	.90	4425	46	1.00	5114	8	.40	5297	29	.75	5448DR	13	.20
3418	37	.95	4430	46	1.35	5116	8	.45	5300A	12	9.95	5448H	13	.02
3420	37	.95	4431	46	1.65	5118	8	.45	5300C	12	4.55	5448R	13	.30
3425	37	.75	4433	46	1.85	5120	8	.50	5300PH	12	.10	5448S	13	.60
3426	37	.85	4436	46	2.00	5200A	10	12.65	5340	12	.70	5448W	13	.60
3430	37	.85	4440	46	2.50	5200B	10	14.15	5341	12	.70	5449	6-13	4.15
3431	37	.90	4441	46	2.50	5200C	10	7.95	5343	12	.75	5450	13	3.30
3433	37	.95	4508	49	2.10	5200D	10	9.45	5344	12	.75	5450HD	13	4.25
3440	37	1.00	4510	49	2.10	5200E	8	3.45	5345	12	.75	5451	13	3.60
3632	52	1.00	4511	49	.55	5200F	8	3.90	5346	12	.75	5451A	13	.40
3638	52	1.00	4512	49	.55	5200G	60-10	17.85	5347	12	.75	5451B	13	2.50
3640	52	1.05	4513	49	.55	5200H	60-10	19.35	5348	12	.85	5451C	13	.20
3642	52	1.05	4520	49	2.20	5200I	62-10	15.30	5348S	12	.85	5451D	13	.15
3644	52	1.10	4521	49	.55	5200J	62-10	16.40	5349	12	.90	5451H	13	.02
3646	52	1.20	4522	49	.55	5200K	8	4.25	5351	12	.95	5451S	13	.05
3648	52	1.20	4529	49	4.25	5200PH	9	1.10	5352	12	1.00	5451W	13	.50
4001	45	7.70	4532	49	.85	5208	8	.35	5353	12	1.10	5452	13	.45
4001A	45	8.90	4534	49	.85	5208S	8	.35	5400A	14	12.55	5453	13-16	.90
4001B	45	2.20	4700A	7	4.35	5210	8	.40	5400B	14	15.25	5460	13	.65
4001C	45	.25	4700B	51	6.30	5212	8	.40	5400C	15	5.05	5461	13	.70
4001J	45	.85	4700C	51	7.30	5214	8	.40	5400D	15	8.10	5463	13	1.15
4001T	45	.85	4700D	51	8.25	5216	8	.40	5400E	15	8.45	5464	13	1.35
4001TT	45	.85	4700E	51	9.25	5218	8	.40	5400G	11	7.50	5465	13	1.65
4001S	45	.95	4700F	7	4.60	5220	8	.45	5400H	11	5.35	5466	13	1.95
4001R	45	1.50	4700G	51	9.50	5221	8	.45	5400J	15	10.60	5466H	13	.25
4001T	45	1.20	4700H	7	6.65	5222	8	.50	5400K	15	12.10	5467	13	2.50
4001TR	45	7.70	4700J	7	4.60	5224	8	.50	5400L	15	9.95	5468	13	2.85
4010A	44	12.60	4704	7	.25	5235	8	.45	5400M	14	14.60	5469	13	2.85
4010B	44	11.95	4705	7	.25	5236	8	.50	5400N	14	17.30	5470	13	1.55
4011	44	2.75	4706	7	.25	5237	8	.50	5400OC	19	25.40	5475	12	1.65
4012	44	2.10	4707	7	.25	5240	8	.60	5400P	11	10.95	5476	12	1.70
4015	44	1.75	4708	7	.25	5244	8-62	.85	5400Q	14-60	25.15	5477	12	1.75
4016	44	1.80	4708S	7	.25	5245	8-61	.85	5400R	14-60	27.85	5478	12	1.80
4017	44	1.80	4709	7	.25	5246	8	.55	5400S	14	22.65	5479	12	1.85
4018	44	1.80	4709L	7	.40	5247		.65	5400SA	1.80		5480	13	1.75
4019	44	.65	4710	7	.25	5248	9	2.75	5400T	14	25.35	5482	13	1.65

Numerical Net Price List

Catalog No.	Page No.	Price Each	Catalog No.	Page No.	Price Each	Catalog No.	Page No.	Price Each	Catalog No.	Page No.	Price Each	Catalog No.	Page No.	Price Each
5485	13	1.20	5700C	18	55.25	6737	62	.95	9091	50	2.75	9999C	25	180.80
5486	13	1.00	5700D	18	61.75	7014H	68-69	.70	9400A	67	1.65	9999D	25	132.55
5490	1.40		5700E	18	70.60	7016H	68-69	.70	9406	67	.30	9999E	25	97.30
5495	29	1.95	5700OC	19	79.10	7018H	68-69	.75	9408	67	.40	B1-8	79	.55
5496	29	2.70	5758	18	2.70	7020H	68-69	.75	9410	67	.45	B1-9	79	.65
5497	29	.75	5760	18	2.95	7111	68-69	1.20	9412	67	.50	CC	78	1.65
5500E	17	46.80	5764	18	3.10	7113	68-69	1.30	9500A	66	4.05	CG 3/4	75	1.10
5500F	17	50.65	5770	18	4.00	7115	68-69	1.45	9500B	66	11.40	CG 3/4x18	75	1.20
5500G	17	14.75	5772	18	4.25	7117	68-69	1.55	9521	66	.55	CG 7/8x12	75	1.20
5500H	17	18.60	5776	18	5.25	7121	68-69	1.20	9522	66	.65	CG 7/8x18	75	1.60
5500J	16	23.50	5780	18	6.60	7123	68-69	1.40	9523	66	.85	CG 1x12	75	1.40
5500K	16	26.30	5782	18	7.15	7125	68-69	1.65	9524	66	.95	CG 1x18	75	1.80
5500L	16	28.50	5784	18	7.75	7127	68-69	2.00	9525	66	1.05	CG 1 1/4x12	75	2.05
5500M	16-17	45.00	5788	18	8.75	7128	68-69	2.50	9526	66	1.50	CG 1 1/4x18	75	2.65
5500OC	19	32.90	5794	18	12.00	7131	68-69	1.30	9527	66	1.60	DRH	70	.75
5526S	16	.95	5800	18	14.50	7133	68-69	1.50	9528	66	1.75	EH2	71-79	2.50
5528	16	.70	5812	18	17.00	7135	68-69	1.75	9529	66	2.50	LP1	78	.65
5528L	16	1.10	5848	6-18	18.45	7137	68-69	2.20	9600A	54	4.30	LP2	78	.55
5530	16	.75	5848B	18	13.50	7138	68-69	2.75	9600B	54	6.25	PP1	78	2.30
5530L	16	1.20	5848C	18	1.25	7121H	68-69	.40	9604	54	.85	PP2	78	2.65
5532	16	.75	5848DL	18	.75	7124H	68-69	.40	9606	54	1.05	RL	78 pr	1.70
5532L	16	1.25	5848DR	18	.75	7126H	68-69	.40	9608	54	1.25	TI-2	77	.85
5534	16	.85	5848H	18	.05	7128H	68-69	.40	9622	54	.40	TRS2	70	5.00
5534L	16	1.30	5848R	18	1.25	7220H	68-69	.45	9624	54	.45	TRS3	70	6.00
5536	16	.90	5848S	18	.10	7222H	68-69	.50	9632	54	.55	P83	85	.85
5536L	16	1.35	5848W	18	2.75	7224H	68-69	.50	9633	54	.70	P84	85	2.15
5538	16	.95	5849	18		7270	68-69	1.75	9638	54	1.00	P101	2.75	2.75
5540	16	1.00	5849W	18	4.15	7274H	68-69	1.80	9642	54	1.00	P105	2.05	2.05
5540L	16	1.45	5852	18	1.75	7275H	68-69	1.80	9643	54	1.25	P110	1.95	1.95
5542	16	1.05	5853	16-18	1.40	7276H	68-69	2.05	9651	54	.55	P111	1.65	1.65
5544	16	1.15	5854	16-18	1.40	7277H	68-69	2.05	9652	54	.55	US 1	6.60	6.60
5544L	16	1.55	5855	18	1.75	7278H	68-69	2.30	9680A	55	4.30	US 3	3.40	3.40
5546	16	1.25	5856	18	2.25	7279H	68-69	2.30	9682	55	.65	US 4	4.60	4.60
5546L	16	1.65	5861	18	2.75	7316H	68-69	1.00	9684	55	1.05	US 7	3.30	3.30
5548	16	1.75	5863	18	3.50	7318H	68-69	1.00	9686	55	1.25	US 8	3.75	3.75
5550	16	1.80	5868	18	13.35	7320H	68-69	1.20	9688	55	1.35	US 12	2.20	2.20
5552	16	1.85	5884	17-18	1.25	7322H	68-69	1.20	9700A	53	5.65	US 16	.65	.65
5554	16	1.95	5885	18	1.75	7324H	68-69	1.20	9700B	53	14.45	US 23	3.75	3.75
5556	16	2.00	5895	18	8.85	7326H	68-69	1.25	9701	53	.40	US 24	4.70	4.70
5558	16	2.10	6501	58	1.65	7328H	68-69	1.25	9702	53	.55	US 33	3.85	3.85
5560	16	2.25	6502	58	1.20	7330H	68-69	1.45	9704	53	.70	US 34	4.15	4.15
5564	16	2.50	6504	58	1.10	7332H	68-69	1.50	9706	53	.95	US 45	2.65	2.65
5568	16	2.95	6505	58	1.95	7334H	68-69	1.55	9708	53	1.15	US 121	.45	.45
5570	16	4.00	6506	58	1.60	7336H	68-69	1.60	9710	53	1.25	US 134	.95	.95
5572	16	4.25	6507	58	1.10	7414H	68-69	.55	9712	53	1.50	US 136	1.00	1.00
5576	16	5.25	6508	58	1.65	7416H	68-69	.55	9714	53	1.55	US 138	1.10	1.10
5580	16	6.60	6508R	58	.65	7418H	68-69	.55	9718	53	2.35	US 140	1.20	1.20
5582	16	7.15	6510	58	1.00	7420H	68-69	.55	9722	53	.35	US 300	1.05	1.05
5584	16	7.75	6512	58	1.25	7422H	68-69	.60	9724	53	.40	US 301	3.05	3.05
5588	16	8.75	6514	52-58	.85	7424H	68-69	.60	9732	53	.50	US 301S	2.25	2.25
5648	16	8.80	6515	58	2.15	7426H	68-69	.70	9733	53	.60	US 303	1.05	1.05
5649	6-16	9.65	6516	59	1.65	7428H	68-69	.70	9741	53	.65	US 304	3.05	3.05
5650	6.90		6517	59	1.00	7429H	68-69	.75	9742	53	.85	US 1690	6.35	6.35
5651	16	7.55	6519	59	2.10	7430H	68-69	.75	9743	53	1.05	US 1691	5.80	5.80
5651A	16	.80	6521	59	1.10	7432H	68-69	.90	9752	53	.85	US 1820	5.45	5.45
5651B	16	5.60	6522	59	.50	7434H	68-69	.95	9810	67	1.30	US 1830	4.35	4.35
5651C	16	.25	6523	59	.50	7436H	68-69	1.00	9820	67	1.30			
5651D	16	.15	6524	59	1.95	7440H	68-69	1.10	9830	67	1.65			
5651H	16	.03	6525	59	1.10	7470	68-69	1.80	9840	67	1.95			
5651S	16	.05	6527	59	.95	7474H	68-69	1.95	9969	26	39.50			
5651W	16	1.30	6528	59	.70	7475H	68-69	1.95	9969A	27	199.05			
5652	16	.85	6529	60	1.60	7476H	68-69	1.95	9969C	27	218.65			
5653	16	.85	6537	60	.95	7477H	68-69	1.95	9969F	27	223.65			
5654	16	1.00	6538	60	1.05	7478H	68-69	2.20	9969P	27	215.60			
5655	16	.95	6539	60	2.15	7479H	68-69	2.20	9989	29	8.65			
5660	17	1.50	6540	52-60	.95	8100B	31	4.20	9989D	23	71.55			
5661	17	1.65	6541	60	1.65	8100C	31	3.30	9989E	21	55.05			
5663	17	2.05	6601	62	1.25	8100D	31	2.50	9989F	22	28.85			
5668	17	4.95	6701	61	1.95	8180	31	.55	9989G	20	55.40			
5668H	17	.40	6707	61	.65	8181	31	.60	9990	28	15.95			
5670	17	4.25	6708	61	.75	8182	31	.65	9990A	20	112.55			
5685	17	2.35	6725	61	1.10	8183	31	.70	9990B	20	62.70			
5686	17	1.95	6726	61	1.40	8184	31	.80	9995	29	.85			
5695	30	3.85	6728	61	1.85	8185	31	.90	9999	28	26.85			
5700B	18	46.40	6730	62	1.25	9090	50	3.30	9999A	28	29.35			

Aviation Tools as shown on page 50, being the Part and Series.



Prices quoted upon application to the factory only except those listed above.

CHART OF STANDARD SIZES

[illegible]

PLOMB PRESENTS

Its New Array of Reversible Ratchets



No. 4748
with
No. 4752
1/4" Adaptor Plug

**THE MIGHTY
MIDGET**

1/4" DRIVE

FOR COMPLETE DESCRIPTIVE DETAILS
SEE PAGE SEVEN



No. 5249 Complete

"STREAMLINED"

The **"CUB"**
3/8" DRIVE

For Complete Descriptive Details See Page Nine

The **Standard and Heavy Duty**



The
Strongest
Reversible
Ratchets
Ever
Built

1/2" DRIVE

No. 5449 Complete

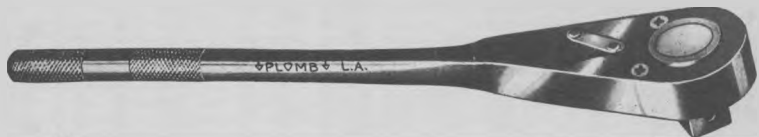
"STREAMLINED"

3/4" DRIVE

No. 5649 Complete

Illustration above is pictorial only, for details see pages 13 and 16 of this catalog

The **EX. HEAVY DUTY**



1" DRIVE

No. 5848 with 5852
Adaptor Plug

This mammoth reversible ratchet, while principally used with a 1" square drive can also be converted into a 3/4" drive or a 1/4" square drive by ordering adaptors as illustrated at the right.



In ordering refer to details
on Page 18

The "MIGHTY MIDGET" Series

1/4" Square Drive

Sockets and Attachments

Socket No.	Size and Type	Overall Length
4704	7/16" x 3/4" Oval	1 1/2"
4705	7/16" x 3/4" Oval	1 1/2"
4706	7/16" Hexagon	1"
4707	7/16" Hexagon	1"
4708	7/16" Hexagon	1"
4708S	7/16" 8-Point	1"
4709	9/32" 12-Point	1"
4709L	9/32" Hexagon Ex. Deep	2"
4710	9/32" 12-Point	1"
4710L	9/32" Hexagon Ex. Deep	2"
4710S	10/32" 8-Point	1"
4711	11/32" 12-Point	1"
4712	3/8" 12-Point	1"
4714	3/8" 12-Point	1"



4700A Socket Set

No. 4748—Reversible Ratchet with Female Wheel.
No. 4752—Adaptor Plug, 7/16" Male.
No. 4753—Adaptor Plug, 9/32" Male.
No. 4769—Spin Type Handle 6" long, Pyroxylin Grip.
No. 4785—Sliding Bar Handle: 4 1/2" long.
No. 4760—3/4" Midget Extension, 3/4" Stock.
No. 4761—6" Midget Extension 3/4" stock.
No. 4763—14" Midget Extension 3/4" Stock.
No. 4795—Steel Box, 3/8" deep, 2 1/2" wide, 6 1/4" long.

RATCHET REPAIR PARTS

4748

4748B—Body
4748C—Cover
4748DL—Dog, Left
4748DR—Dog, Right

4748H—Cover Screw
4748R—Rev. Assembly
4748S—Spring
4748W—Wheel



4748



4752



4753



Showing 4748 Rev. Ratchet with 4752 Adaptor Plug Assembled (O. A. Length 5")

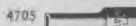
Sets

No. 4700A*—Midget Set, including Nos. 4709 and 4785 attachments and all sockets except Nos. 4704, 4705 and 4706. In No. 4795 Box.
No. 4700F*—Same as No. 4700A, with addition of No. 4706 socket. In No. 4795 Box.
No. 4700H*—Complete Set, including all Sockets and Attachments as listed. In No. 4795 Metal Box.

*Ratchet not included in above sets. If desired, so specify.



4704



4705



4760

4763

4761

◀ **ADDITIONAL MIDGET SETS, CONTAINING MIDGET OPEN END WRENCHES AND IGNITION PLIERS SHOWN ON PAGE 51** ▶

NEW! CARBURETOR JET SOCKETS

Socket No.	Purpose
4709L	Zenith Cap Jet
4710L	Zenith Main Disch. Tube
4740	Stromberg 1/4" Jet
4741	Stromberg 3/32" Jet
4742	Carter Step-up Piston
4743	Zenith Economy Valve
4745	Carter Dual Pump Disch.
4746	Zenith Main Jet
4747	Carter Pump Disch. Nozzle
4700J	Set of 9 Sockets, as Shown



Cub Sockets

$\frac{3}{8}$ " Square Drive

12-Point Sockets

S. A. E. U. S. AND AMERICAN STANDARD SIZES ON PAGE 5

Catalog No.	Socket Size	Overall Length	Inside Clearance
5208	$\frac{1}{4}$ " Hex.	$\frac{7}{8}$ "	$\frac{3}{4}$ "
5208S		$\frac{7}{8}$ "	$\frac{1}{2}$ "
5210	$\frac{3}{8}$ "	$\frac{7}{8}$ "	$\frac{1}{2}$ "
5212	$\frac{7}{16}$ "	$\frac{7}{8}$ "	$\frac{3}{4}$ "
5214	$\frac{1}{2}$ "	$\frac{7}{8}$ "	$\frac{3}{4}$ "
5216	$\frac{5}{8}$ "	$\frac{7}{8}$ "	$\frac{3}{4}$ "
5218	$\frac{3}{4}$ "	$1\frac{1}{8}$ "	$\frac{3}{4}$ "
5220	$\frac{7}{8}$ "	$1\frac{1}{8}$ "	$\frac{3}{4}$ "
5221	$1\frac{1}{8}$ "	$1\frac{1}{8}$ "	$\frac{3}{4}$ "
5222	$1\frac{1}{4}$ "	$1\frac{1}{8}$ "	$\frac{3}{4}$ "
5224	$\frac{3}{4}$ "	1"	$\frac{3}{8}$ "

5200E—5210-12-14-16-18-20-22-24. Set of 8 Sockets.

5200F—5210-12-14-16-18-20-21-22-24. Set of 9 Sockets.

5200K—5208-10-12-14-16-18-20-21-22-24. Set of 10.

12-Point Deep Cub Sockets

5014	$\frac{7}{16}$ "	$2\frac{1}{4}$ "	$1\frac{3}{4}$ "
5016	$\frac{1}{2}$ "	$2\frac{1}{4}$ "	$1\frac{3}{4}$ "
5018	$\frac{9}{16}$ "	$2\frac{1}{4}$ "	$1\frac{3}{4}$ "
5020	$\frac{5}{8}$ "	$2\frac{1}{4}$ "	$1\frac{3}{4}$ "

5000A—Set of 4 as above.

12-Point Universal Cub Sockets

5274	$\frac{7}{16}$ "	$1\frac{1}{4}$ "	$\frac{3}{4}$ "
5275	$\frac{1}{2}$ "	$1\frac{1}{4}$ "	$\frac{7}{8}$ "
5276	$\frac{9}{16}$ "	$1\frac{1}{4}$ "	$\frac{1}{2}$ "
5277	$\frac{5}{8}$ "	$1\frac{1}{4}$ "	$\frac{9}{16}$ "
5278	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$\frac{9}{16}$ "
5279	$\frac{3}{4}$ "	$1\frac{1}{4}$ "	$\frac{9}{16}$ "

8-Point Deep Cub Sockets

5208S	$1\frac{1}{4}$ " Sq.	$\frac{7}{8}$ "	$\frac{1}{2}$ "
5112	$\frac{3}{8}$ "	$1\frac{1}{2}$ "	$1\frac{1}{8}$ "
5114	$\frac{7}{16}$ "	$1\frac{1}{2}$ "	$1\frac{1}{8}$ "
5116	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$1\frac{1}{8}$ "
5118	$\frac{5}{8}$ "	$1\frac{1}{2}$ "	$1\frac{1}{8}$ "
5120	$\frac{3}{4}$ "	$1\frac{1}{2}$ "	$1\frac{1}{8}$ "

Oil Pan Screwdrivers

5244 (Pont.)	$\frac{1}{16}$ " x $\frac{1}{2}$ "	$1\frac{1}{2}$ "	
5245 (Chev.)	$\frac{1}{16}$ " x $\frac{1}{2}$ "	$1\frac{1}{2}$ "	

Cub Screwdriver Sockets

5246	$\frac{7}{16}$ " Bit	$1\frac{1}{4}$ "	
------	----------------------	------------------	-------

10 & 14 m.m. Spark Plug Sockets

Rubber lining ("A" in picture) protects porcelain. Fits accurately; shoulder prevents going on too far.

No.	Hex. Size	For Spark Plug
5018SP	$\frac{11}{16}$ "	AC 10 m.m.
5022SP	$1\frac{1}{16}$ "	Champion 10 m.m.
5026SP	$1\frac{3}{16}$ "	AC & Champ. 14 m.m.

Weatherhead Elbow Sockets

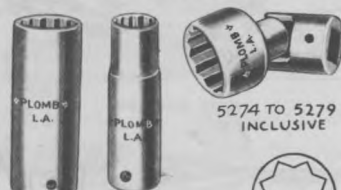
No. 5235— $\frac{7}{16}$ " Weatherhead Elbow Socket.
No. 5236— $\frac{1}{2}$ " Weatherhead Elbow Socket.
No. 5237— $\frac{11}{16}$ " Weatherhead Elbow Socket.

Spark Plug Adaptor Socket

5240—Spanner Socket for 10 m.m. Spark Plug Adaptors; $\frac{1}{2}$ -inch Square Drive.



5208 TO 5224 INCLUSIVE



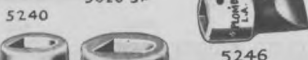
5014 TO 5020 INCLUSIVE



5112 TO 5120 INCLUSIVE



5018 SP
5022 SP
5026 SP



5246



5235 5236



5234 5253 5245 5244

Cub Attachments

3/8" Square Drive

No. 5249—Cub Reversible Ratchet Complete

Instantly reversible at a flip of the trigger. The 3/8 drive plug is quickly removable, permitting the ratchet to be used female drive if desired.

5248 is ratchet without adaptor plug No. 5252.

No. 5251—Cub Ratchet

To reverse, simply push plug through, turn ratchet over. 7" overall length. Comfortable knurled grip.

RATCHET PARTS

5251	5249
5251-B—Body	5248-B—Body
5251-D—Dog	5248-C—Cover
5251-H—Set Screw	5248-DL—Dog—Left
5251-R—Solid Ring	5248-DR—Dog—Right
5251-S—Spring	5248-H—Cover Screw
5251-SR—Split Ring	5248-R—Rev. Assembly
5252—Adaptor Plug	5248-S—Spring
	5248-W—Wheel—Female
	5252—Flange Drive Plug

Cub Extensions

No.	Length	Stock
5259	1 1/2"	3/8"
5260	3 1/2"	3/8"
5261	8"	3/8"
5262	12"	3/8"
5263	18"	3/8"

No. 5265—Cub Hinge Handle

Deeply knurled handle. Exceptionally small head. Can be used as an ell, offset, or tee handle. 7 1/2" long.

5200PH—Cub Pin Handle. 3/8" round stock, 7 1/2" long.

No. 5270—Cub Universal Joint

Cub Speed Handles

3/8" Sq. Drive

Ball-bearing knurled grip—to our knowledge, we're the only manufacturer making a ball-bearing speeder. Easy action; no wear. 3/4" stock; 6" diameter swing.

No. 5280—18" long

No. 5281—14" long

No. 5282—24" long

No. 5284—36" long

3/8"x1/2" Adaptors

Increase range of cub and standard socket sets by adapting handles for use with both 3/8" and 1/2" square drives.

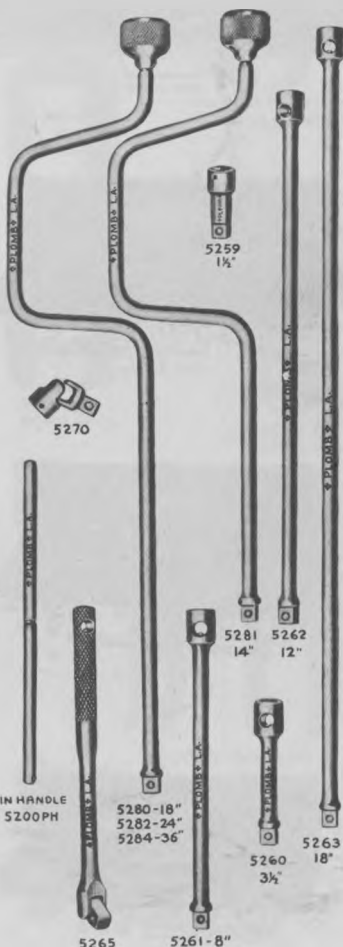
No.	Length	Connections
5253	1 1/4"	1/8" Female, 1/2" Male
5254	1 1/4"	1/2" Female, 3/8" Male



5249



5251



5259
1 1/2"



5270



PIN HANDLE
5200PH



5265



5280-18"
5282-24"
5284-36"



5281
14"



5282
12"



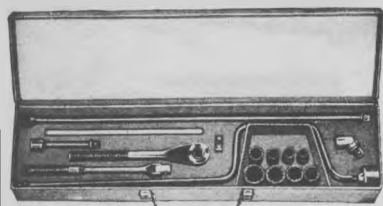
5284
18"



5253
3/4"



5254
3/4"



5200B Cub Set



5200D Cub Set



5200H Cub Set



5200J Cub Set

Cub Socket Sets 3/8" Square Drive

The following sets are suggestions only. Most mechanics prefer to make up their own sets from sockets and attachments as listed on pages 8 and 9.

No. 5200B—All-Around Set 15 Tools

SOCKETS: No. 5210 3/16", 5212 1/8", 5214 1/4", 5216 1/2", 5218 3/4", 5220 1", 5222 1 1/16", and 5224 1 1/8".

ATTACHMENTS: No. 5251 Ratchet, 5260 3 1/2" Extension, 5263 18" Extension with 5200PH pin, 5265 Hinge Handle, 5270 Universal Joint, and 5280 18" Speed Handle.

5200A—Complete Set as listed. Tools Only.

5200B—Complete Set as listed, in No. 5295 Steel Case.

No. 5200D—Small Cub Set 12 Tools

SOCKETS: Nos. 5210, 5212, 5214, 5216, 5218, 5220, 5222 and 5224, all sizes by 16ths from 3/16" to 1", inclusive. 8 sockets.

ATTACHMENTS: No. 5265 Hinge Handle, with 5200PH pin; No. 5270 Universal Joint, and No. 5280 Speed Handle.

5200C—Set Complete as listed, Tools Only.

5200D—Complete Set as listed in No. 5295 Steel Case.

No. 5200H—Ford Cub Set 20 Tools

Provides the sockets, extensions and handles especially needed for all lighter jobs on Ford cars and trucks. Includes the following:

12-POINT SOCKETS: 5212 1/8", 5214 1/4", 5216 1/2", 5218 3/4", 5220 1", 5221 1 1/32", 5222 1 1/16", 5224 1 1/8", 5226 3/4", 5227 1 1/4", 5228 1 1/2", 5229 1 5/8". **8-POINT SOCKETS:** 5114 1/4", 5118 3/8", 5120 1/2", 5122 5/8", 5124 3/4", 5126 7/8", 5128 1", 5130 1 1/8". **12-POINT UNIVERSAL SOCKETS:** 5275 1/2", 5276 5/8", 5277 3/4", 5278 7/8", 5279 1", 5280 1 1/8". **SCREW DRIVER SOCKET:** 5246.

ATTACHMENTS: 5251 Ratchet, 5260 3 1/2" Extension, 5261 8" Extension, 5270 Universal Joint, 5280 Speed Handle.

5200G—Ford Cub Socket Set as listed, Tools Only.

5200H—Ford Cub Socket Set as listed, in No. 5295 Steel Case.

No. 5200J—Chevrolet Cub Set 16 Tools

Sockets and handles listed in this set are especially adaptable to fast, efficient servicing of Chevrolet cars and trucks. Includes the following items:

12-POINT SOCKETS: 5214 1/4", 5216 1/2", 5218 3/4", 5220 1", 5221 1 1/32", 5222 1 1/16", 5224 1 1/8", 5226 3/4", 5227 1 1/4", 5228 1 1/2", 5229 1 5/8". **8-POINT SOCKETS:** 5114 1/4", 5118 3/8", 5120 1/2", 5122 5/8", 5124 3/4", 5126 7/8", 5128 1", 5130 1 1/8". **UNIVERSAL SOCKETS:** 5275 1/2", 5276 5/8", 5277 3/4", 5278 7/8", 5279 1", 5280 1 1/8". **SPECIAL ITEM:** No. 5245 Chev. Oil Pan Screwdriver Socket.

ATTACHMENTS: 5251 Ratchet, 5260 3 1/2" Extension, 5270 Universal Joint, 5280 18" Speed Handle.

5200-I—Chev. Cub Socket Set as listed, Tools Only.

5200-J—Chev. Cub Set as listed, in No. 5295 Steel Case.

Standard Sockets

1/2" Square Drive

Standard 12-Point Sockets

S. A. E., U. S. AND AMERICAN STANDARD SIZES ON PAGE 5

Catalog No.	Socket Size	Overall Length	Inside Clearance
5414	7/16"	1 1/4"	3/4"
5416	1/2"	1 1/4"	3/4"
*5418	9/16"	1 1/4"	3/4"
5419	1 1/8"	1 1/4"	3/4"
5420	5/8"	1 1/4"	3/4"
**5421	3/4"	1 1/4"	3/4"
†5422	1 1/8"	1 3/8"	7/8"
††5424	3/4"	1 3/8"	7/8"
5425	2 1/8"	1 3/8"	7/8"
5426	1 3/8"	1 3/8"	7/8"
5428	7/8"	1 1/2"	1"
†5429	2 1/8"	1 1/2"	1"
5430	1 1/8"	1 1/2"	1"
5431	1 1/8"	1 1/2"	1"
5432	1"	1 1/2"	1"
5434	1 1/8"	1 1/2"	1"
5436	1 1/8"	1 3/4"	1 1/4"
††5438	1 1/8"	1 3/4"	1 1/4"
5440	1 1/4"	1 3/4"	1 1/4"

*See No. 6523, Ford V-8 Con. Rod Socket.

**Ford A & B Con. Rod Nuts.

†Chev. Center and Rear Main B. Cap Screws.

††Ford A, B and V-8 Main Bearing Nuts.

‡Chrysler, Dodge, DeSoto and Plymouth Shackles.

†††32 Chev. Rear Axle Nut.

Sets of Sockets

5400G—5414-16-18-19-20-21-22-24-25-26-28-30 - 31 - 32—Set of 14 Sockets.

5400H—5414-16-18-20-22-24-26-28-30-32 — Set of 10 Sockets.

5400P—All numbers listed except 5429—Set of 18 Sockets.

Socket Adaptors

5253	1/2"	Square Male x 3/8"	Square Female
5254	1/2"	Square Male x 1/2"	Square Female
5432	1/2"	Square Male x 1/2"	Square Male
5453	1/2"	Square Male x 3/4"	Square Female
5653	3/4"	Square Male x 1/2"	Square Female

Illustrated on page 13.



5414 TO 5440 INCLUSIVE



5420S TO 5440S INCL.



5444 5446



5470



5414 H TO 5434 H INCL.



5412S TO 5418S INCL.



5340 TO 5353 INCL.



5475 TO 5479 INCL.

Continued on Next Page

Standard Sockets

$\frac{1}{2}$ " Square Drive



5414 TO 5440
INCLUSIVE



5414 H TO
5434 H INCL.



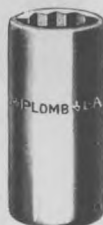
5420S TO
5440S INCL.



5412S TO
5418S INCL.



5444
5446



5340 TO 5353 INCL.



5470



5475 TO 5479 INCL.

12-Point Extra-Deep Sockets

S. A. E., U. S. AND AMERICAN STANDARD SIZES ON PAGE 6

Catalog No.	Socket Size	Overall Length	Inside Clearance
5340	$\frac{1}{2}$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5341	$\frac{9}{16}$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5343	$\frac{5}{8}$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5344	$\frac{11}{16}$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5345	$\frac{3}{4}$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5346	$25/32$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5347	$1\frac{1}{16}$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5348	$7/8$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5348S	$7/8$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5349	$1\frac{1}{16}$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5351	1"	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5352	$1\frac{1}{16}$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "
5353	$1\frac{1}{8}$ "	$3\frac{1}{2}$ "	$2\frac{1}{2}$ "

5348S
for
Spark
Plug
Use
Only

5300A Set—All Sockets listed except 5348S. 12 Sockets.

Spark Plug Socket Set

5300C Set—Special Spark Plug Socket Set. Includes Nos. 5347, 5348S, 5349, 5351 and 5353. Set of 5 Sockets.

5300H—Pin Handle, $\frac{3}{8}$ " stock, 8" long.

Standard 8-Point Sockets

S. A. E., U. S. AND AMERICAN STANDARD SIZES ON PAGE 6

5412S	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{3}{4}$ "
5414S	$\frac{7}{8}$ "	$1\frac{1}{2}$ "	$\frac{3}{4}$ "
5416S	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{3}{4}$ "
5418S	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	$\frac{3}{4}$ "

4-Point Square Sockets

S. A. E., U. S. AND AMERICAN STANDARD SIZES ON PAGE 6

5420S	$\frac{9}{16}$ "	$1\frac{1}{2}$ "	$\frac{7}{8}$ "
5422S	$1\frac{1}{16}$ "	$1\frac{1}{2}$ "	1"
5424S	$\frac{1}{2}$ "	$1\frac{1}{2}$ "	1"
5426S	$13/16$ "	$1\frac{1}{2}$ "	1"
5428S	$\frac{7}{8}$ "	$1\frac{1}{2}$ "	$1\frac{1}{4}$ "
5432S	1"	$1\frac{1}{2}$ "	$1\frac{1}{4}$ "
5434S	$1\frac{1}{16}$ "	2"	$1\frac{1}{2}$ "
5440S	$1\frac{1}{8}$ "	2"	$1\frac{1}{2}$ "

12-Point Universal Sockets

S. A. E., U. S. AND AMERICAN STANDARD SIZES ON PAGE 6

5475	$\frac{1}{2}$ "	$1\frac{1}{16}$ "	$\frac{1}{2}$ "
5476	$\frac{9}{16}$ "	$1\frac{1}{16}$ "	$\frac{1}{2}$ "
5477	$\frac{5}{8}$ "	$1\frac{1}{16}$ "	$\frac{5}{8}$ "
5478	$1\frac{1}{16}$ "	$2\frac{1}{16}$ "	$\frac{5}{8}$ "
5479	$\frac{3}{4}$ "	$2\frac{1}{16}$ "	$\frac{5}{8}$ "

Drag Link Screw Driver

5444	Bit $\frac{3}{4}$ " Wide	$1\frac{1}{16}$ "
5446	Bit 1" Wide	$1\frac{1}{16}$ "

Standard Attachments

1/2" Square Drive

No.	Description
5449	1/2" Reversible Ratchet. Length, 10 1/2". Weight, 1 1/4 lbs. Note: If ratchet is wanted without 5452 Plug, order 5448. (All bodies are marked 5449, but this number includes 5452 Drive Plug.)
5451	RATCHET HANDLE WITH REVERSIBLE PLUG. To reverse, push plug through and turn ratchet over. 10 1/2" long.
5450	Same as 5451 except has female connection, without plug.
5450	Heavy duty 16-tooth ratchet, 16" long. Female connection without plug.

RATCHET PARTS

5451	5449
5451A	Adaptor
5451B	Body
5451C	Cover
5451D	Dog
5451H	Screw
5451S	Spring
5451W	Wheel
5448B	Body
5448C	Cover
5448DL	Dog, Left
5448DR	Dog, Right
5448H	Cover Screw
5448R	Rev. Assembly
5448S	Spring
5448W	Wheel, Female
5452	Flanged Drive Plug

Extensions

5460	2 1/2" EXTENSION
5461	5" EXTENSION
5463	10" EXTENSION
5464	18" EXTENSION (L. A. Stock Only)
5465	28" EXTENSION (L. A. Stock Only)

Hinge Handles

One friction ball holds hinged plug at any desired angle; another ball holds pin at any point in handle.

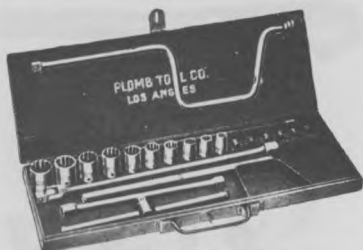
5466	9 1/2" HINGE HANDLE
5467	15" HINGE HANDLE
5468	18" HINGE HANDLE, 1/2" Female connection in handle.
5466	PIN HANDLE, 12" long, 1/2" stock.
5469	SPEED HINGE HANDLE. Ball-bearing grip, 1/16" stock; 16" long; 7" diameter swing.
5470	UNIVERSAL JOINT. Only 1 1/16" overall length.
5480	SPEED HANDLE. 18" long. 1/2" stock, with ball-bearing knurled grip; 8" diameter swing
5482	SPEED HANDLE. 18" long, 1/2" stock, with ball-bearing knurled grip; 6" diameter swing
5485	SLIDING BAR HANDLE. 14" long. Very handy to use as tee or offset. Friction ball holds plug at any point on bar.
5486	ELL H. NDLE. 14" long, with deeply knurled grip

NEW REVERSIBLE RATCHET

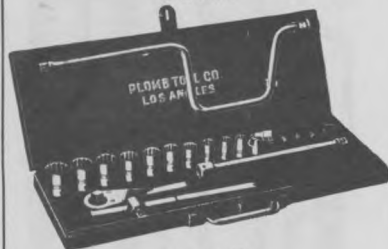


5449





No. 5400B



No. 5400N



No. 5400T



No. 5400R

Standard Socket Sets 1/2" Square Drive

The sets described on these pages are selections which have proven popular with the trade. However, they should be considered as suggestions only, as the best set for any mechanic to buy is one made up of the tools he particularly needs in his work.

No. 5400B—Popular Set at a Low Price—15 Tools

Consists of the following items: 10 Sockets, Nos. 5414-16-18-20-22-24-26-28-30-32—sizes from 7/16" to 1" inclusive, by 16ths. Attachments: 5463, 10" Extension; 5468, 18" Hinge Handle, with 5466H pin; 5480, 18" Speeder, and 5485, Sliding Bar Handle.

No. 5400A—Complete Set as listed, Tools Only.

No. 5400B—Complete Set in No. 5496 Box.

No. 5400N—Excellent Set at Medium Cost—15 Tools

Similar to 5400B, with universal joint and ratchet handle instead of a hinge handle. Consists of the following items: 10 Sockets, Nos. 5414-16-18-20-22-24-26-28-30-32—Sizes from 7/16" to 1", inclusive, by 16ths. Attachments: 5451, Ratchet Handle; 5463, 10" Extension; 5470, Universal Joint; 5480, 18" Speeder, and 5485, Sliding Bar Handle.

No. 5400M—Complete Set as listed, Tools Only.

No. 5400N—Complete Set in No. 5496 Box.

No. 5400T—All-Around Set 24 Tools

A very complete assortment of sockets and handles, which any mechanic is proud to possess. Consists of the following items: 15 Sockets, Nos. 5414-16-18-19-20-21-22-24-25-26-28-30-31-32-34—Sizes from 7/16" to 1 1/8", inclusive, by 16ths, with addition of 1 3/32", 2 1/32", 2 3/32" and 1 1/2". Attachments: 5444, Drag Link Screwdriver; 5451, Ratchet; 5461, 5" Extension; 5463, 10" Extension; 5466, 9 1/2" Hinge Handle; 5466H, Pin Handle; 5468, 18" Hinge Handle; 5470, Universal Joint, and 5480, 18" Speeder.

No. 5400S—Set Complete as listed, Tools Only.

No. 5400T—Set Complete, in No. 5496 Box.

No. 5400R—Ford Socket Set 27 Tools

All items in this set have been selected with regard to their adaptability to service on all models of Ford cars and trucks. Consists of the following: Twelve 12-Point Sockets, Nos. 5414-16-18-20-21-22-24-26-28-30-32-34; No. 6523, 9/16" Hex. special V8 con. rod socket; two 8-Point Sockets, Nos. 5414S 7/8" and 5418S 1 1/4"; two 12-Point Deep Sockets, Nos. 5349 1 1/16" and 5353 1 1/2"; three 12-Point Universal Sockets, Nos. 5475 1/2", 5476 9/16" and 5477 3/4". Attachments: 5461, 5" Extension; 5463, 10" Extension; 5466 9 1/2" Hinge Handle; 5468, 18" Hinge Handle; 5466H, Pin Handle; 5470, Universal Joint, and 5482, 18" Speeder.

No. 5400Q—Ford Set Complete as listed, Tools only.

No. 5400R—Ford Set Complete, in 5496 Box.

Standard Socket Sets

(Continued)

No. 5400V—Chevrolet Set

24 Tools

A most desirable set for the all-around mechanic, and especially adapted to efficient servicing of Chevrolet cars. Consists of the following: Ten 12-Point Sockets, Nos. 5414-16-18-20-22-24-26-30-32-34, sizes from $\frac{7}{16}$ " to $1\frac{1}{16}$ ", by 16ths, with exception of $\frac{7}{8}$ "; four 12-Point Extra-Deep Sockets, Nos. 5341-43-45-51, $\frac{9}{16}$ ", $\frac{3}{4}$ ", $\frac{7}{8}$ " and 1"; three Universal Sockets, 5475 $\frac{1}{2}$ ", 5476 $\frac{3}{4}$ " and 5477 $\frac{9}{8}$ "; 5466, $9\frac{1}{2}$ " Hinge Handle, 5468, 18" Hinge Handle, 5470 Universal Joint, 5482 Speeder Handle, and 5461 and 5463, 5" and 10" Extensions, with 5466H Pin Handle to fit hinge handles and extensions. A very complete set.

No. 5400U—Chevrolet Standard Socket Set, Tools only, as listed.

No. 5400V—Chevrolet Standard Socket Set, as listed, in No. 5496 Box.

No. 5400K—Low-Priced Set

14 Tools

A popular general-utility set, well adapted to motor and bearing work. Includes following items: 11 Sockets, Nos. 5414-16-18-20-22-24-26-28-30-32, sizes from $\frac{7}{16}$ " to 1", inclusive, by 16ths, with addition of $\frac{1}{32}$ ". Attachments: 5468, 18" Hinge Handle, with 5466H pin, and 5482, 18" Speeder.

No. 5400J—Set Complete as listed, Tools only.

No. 5400K—Set Complete, in 5295 Box.

No. 5400C—Low-Priced Set

8 Tools

Usually sold to car owners who want only the minimum number of sockets. Consists of Sockets Nos. 5414-16-18-20-22-24, sizes $7/16$ " to $3/4$ ", inclusive, by 16ths, with No. 5466 Hinge Handle and 5466H Pin Handle. Tools only.

No. 5400D—Low-Priced Set

12 Tools

Includes ten 12-Point Sockets, Nos. 5414-16-18-20-22-24-26-28-30-32, and No. 5467, 15" Hinge Handle, with No. 5466H pin. A good set to start with, adding other items as desired.

No. 5400D—Set as listed, Tools only.

No. 5400E—Low-Priced Set

12 Tools

Consists of No. 5468, 18" Hinge Handle; No. 5466H Pin Handle, and ten 12-Point Sockets, Nos. 5414-16-18-20-22-24-26-28-30-32, sizes $7/16$ " to 1", inclusive, by 16ths.

No. 5400E—Set Complete as listed, Tools only.

No. 5400L—Set Complete, in 5295 Box.



5400V



5400K



5400C—Not in Box



5400D—Not in Box



5400E—Not in Box


 5528
to
5568

Sockets

 5570
to
5588

 5528L
to
5546L


5648



5649



5650



5651



5652



5650



5660



5654



5670



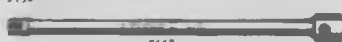
5653



5661



5655



5665


**No. 5649—Reversible Ratchet
3/4" Drive**

 Complete with Adaptor Plug, Overall Length 20".
 (5648—Ratchet only less Adaptor Plug)
 (5652—Adaptor Plug only)

**Heavy Duty Sockets
3/4" Square Drive**

S. A. C., U. S. AND AMERICAN STANDARD SIZES ON PAGE 5

Catalog No.	12-Pt. Extra Deep	Overall Opening	Overall Length 5500L	Inside Clearance 5500	Inside Clearance 5500L
5528	5528L	7/8"	13/4"	1"	2 1/16"
5530	5530L	1 1/8"	1 3/8"	1"	2 1/16"
5532	5532L	1 1/4"	2"	1 1/8"	2 1/16"
5534	5534L	1 1/2"	2 1/8"	1 1/4"	2 1/16"
5536	5536L	1 3/4"	2 3/8"	1 1/2"	2 1/16"
5538	5538L	1 7/8"	2 7/8"	1 3/4"	2 1/16"
5540	5540L	2"	3"	1 7/8"	2 1/16"
5542	5542L	2 1/8"	3 1/8"	2"	2 1/16"
5544	5544L	2 1/4"	3 1/4"	2 1/8"	2 1/16"
5546	5546L	2 3/8"	3 3/8"	2 1/4"	2 1/16"
5548	5548L	2 1/2"	3 1/2"	2 3/8"	2 1/16"
5550	5550L	2 7/8"	3 7/8"	2 1/2"	2 1/16"
5552	5552L	3"	4"	2 3/4"	2 1/16"
5554	5554L	3 1/8"	4 1/8"	2 7/8"	2 1/16"
5556	5556L	3 1/4"	4 1/4"	3"	2 1/16"
5558	5558L	3 1/2"	4 1/2"	3 1/8"	2 1/16"
5560	5560L	3 3/4"	4 3/4"	3 1/4"	2 1/16"
5564	5564L	4"	5"	3 3/4"	2 1/16"
5568	5568L	4 1/4"	5 1/4"	4"	2 1/16"

Extra Heavy Duty Type Sockets

5570	2 9/16"	3 9/16"	2 13/16"
5572	2 1/4"	3 3/4"	3"
5576	2 5/8"	3 7/8"	3 1/8"
5580	2 3/4"	4 1/16"	3 3/8"
5582	2 7/8"	4 1/8"	3 1/2"
5584	2 7/8"	4 1/8"	3 3/8"
5588	2 7/8"	4 7/8"	3 3/8"

No. 5526S--8 Point Socket

Made especially for the 8-point square nut on Budd truck wheels. 3/4" square drive.

Sets of Sockets

5500J—Nos. 5534 to 5568, inclusive, except 5542 and 5554. Set of 14 sockets.

5500K—Nos. 5534 to 5568, inclusive. Set of 16 sockets.

5500L—Nos. 5528 to 5568, inclusive. Set of 19 sockets.

5500M—Nos. 5570 to 5588, inclusive, with No. 5584 Bar (See Page 17).

Socket Adaptors

5453	3/8" square male by 3/4" square female.
5652	3/4" square male by 3/4" square female.
5653	3/4" square male by 3/2" square female.
5654	3/4" square male by 3/4" square female.
5655	3/4" square male by 3/4" square female.
5853	1" square male by 3/4" square female.
5854	3/4" square male by 1" square female.

**Heavy Duty Handles
3/4" Square Drive**

No.	Description
5651	HEAVY-DUTY RATCHET, with Reversible Plug. Hand-forged. To reverse, push plug through and turn ratchet over. 18" long.
	RATCHET PARTS
5651A	Adaptor Plug
5651B	Body
5651C	Cover
5651D	Dog
5651H	Screws
5651S	Spring
5651W	Wheel

(Continued on Next Page)

Heavy Duty Handles (Cont.)

No.	Description
5660	5" EXTENSION. Especially useful for axle nuts of wire-wheel cars.....
5661	8" EXTENSION.....
5663	16" EXTENSION.....
5668H	PIN HANDLE. $\frac{3}{8}$ " Stock, 12" long
5668	HEAVY DUTY HINGE HANDLE. Hinged plug operates at any angle and is held firmly in position by friction ball. Used as an offset, ell, or as a tee with pin handle listed above. 18" long.....
5670	UNIVERSAL JOINT. $1\frac{1}{2}$ " overall length. $\frac{3}{4}$ " male and female drives.
5685	SLIDING BAR HANDLE. $1\frac{3}{4}$ " diameter bar is 18" long. Friction ball in plug holds it at any point on bar. Friction ball in each end of bar acts as stop.....
5686	HEAVY-DUTY ELL HANDLE. A very handy tool that gives powerful leverage; deeply knurled grip; 18" long.....
5884	CROSS-BAR FOR EXTRA HEAVY DUTY TYPE SOCKETS; 1" diameter, 24" long.....

Heavy-Duty Socket Sets $\frac{3}{4}$ " Square Drive

No. 5500F—Complete Set

Includes 5651 Ratchet; 5661, 8" Extension; 5663, 16" Extension; 5668, Hinge Handle; 5685 Sliding Bar Handle, and 5686, Ell Handle. 16 Sockets, Nos. 5534, 5536, 5538, 5540, 5542, 5544, 5546, 5548, 5550, 5552, 5554, 5556, 5558, 5560, 5564 and 5568.

No. 5500E—Set Complete, as listed. Tools only.

No. 5500F—Set Complete, in No. 5695 Box.

No. 5500H—Low-Priced Set

Includes 5685, Sliding Bar Handle, and 5661, 8" Extension, with the following sockets: Nos. 5534 $1\frac{1}{2}$ ", 5536 $1\frac{1}{4}$ ", 5540 $1\frac{3}{4}$ ", 5544 $1\frac{1}{2}$ ", 5546 $1\frac{1}{4}$ ", 5548 $1\frac{1}{2}$ ", 5552 $1\frac{1}{4}$ " and 5556 $1\frac{3}{4}$ ", which are the sizes most used.

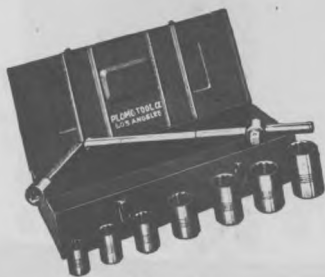
No. 5500G—Set Complete, as listed. Tools only.

No. 5500H—Set Complete, in No. 5695 Box.

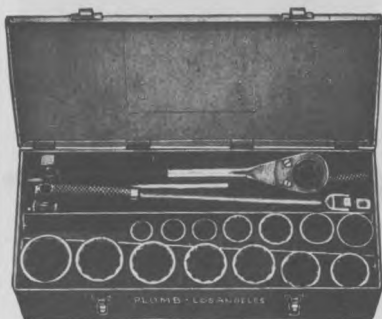
No. 5500M—Extra Heavy-Duty Set, $\frac{3}{4}$ " Drive

This set, illustrated here, includes the extra heavy-duty type 12-point sockets listed on preceding page. The shoulder of each socket is cut down to reduce weight and is cross drilled for 1" diameter pin handle. Beautifully finished, accurately broached and with Hole-Tite locking connections. Set includes Sockets Nos. 5570, $2\frac{1}{2}$ "; 5572, $2\frac{1}{4}$ "; 5576, $2\frac{3}{4}$ "; 5580, $2\frac{1}{2}$ "; 5582, $2\frac{1}{2}$ "; 5584, $2\frac{3}{4}$ "; and 5588, $2\frac{3}{4}$ ", with No. 5884 Bar (See Page 18). 1" diameter and 24" long.

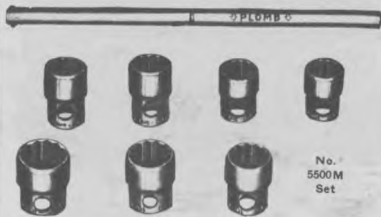
No. 5500M—Set of 7 12-point Sockets, with No. 5884 Bar.



No. 5500H Set



No. 5500F Set



No. 5500M Set



No. 5758 to 5812, Incl.



Overall Length, 26" 5848 Weight, 11½ lbs.



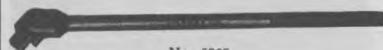
5855



5852



5856



No. 5868

No. 5861



No. 5863



5884



5885

Extra Heavy-Duty Socket Sets 1" Square Drive

These sockets are made to the same close standards of accuracy as smaller Plumb Tools. Sockets cross-drilled for 1" bar. Accurately broached and individually heat-treated.

Attachments

- No.
 5848—Ratchet only with 1" square female wheel.
 5852—1" square male adaptor plug.
 5855—1"x¾" square male adaptor plug.
 5856—1"x1¼" square male adaptor plug.
 5849—Ratchet with 1" solid square male drive.
 5861—9" EXTENSION. Hand-forged; 1" square connections. Female end drilled for 1" bar. Friction ball holds bar firmly at any point.
 5863—18" EXTENSION. Same specifications as No. 5861.
 5868—Hinge Handle. 27" long, 1" diameter handle, knurled grip. 1" male connection.
 5884—1" B.A.R. 24" long. Equipped with spring ball stop on one end.
 5885—SLIDING PLUG. Used with No. 5884 Bar as Sliding Bar Handle. Has friction ball to hold it firmly at any point on bar.

RATCHET REPAIR PARTS 5848

- 5848B—Body
 5848C—Cover
 5848DL—Dog, Left
 5848DR—Dog, Right
 5848H—Cover Screws
 5848R—Rev. Assembly
 5848S—Spring
 5848W—Wheel
 5849W—Male Wheel.

Adaptors

- No. 5853—1" square male by ¾" square female.
 No. 5854—¾" square male by 1" square female.

Sets

- 5700B—Includes 5861 and 5863 Extensions, 5884 and 5885 Bar and Plug, and 8 12-point Sockets, Nos. 5758-60-64-70-72-76-82-84. Tools only.
 5700C—The 5700B Set with addition of No. 5895 Box.
 5700D—Includes 10 12-point Sockets, 5758 to 5788, inclusive, 5861 and 5863 Extensions, and 5884 and 5885 Bar and Plug. Tools only.
 5700E—The 5700D Set with addition of No. 5895 Box.

Sockets

No.	12-Point Opening	Overall Length	Inside Clearance	U.S.S. Bolt Size	Amer. Std. Bolt Size
5758	1½"	3½"	2½"	1½"	
5760	1¾"	3¾"	2¾"		1¼"
5764	2"	3¾"	2¾"	1¼"	
5770	2¼"	3¾"	2¾"	1¾"	
5772	2½"	3¾"	2¾"		1½"
5776	2¾"	3¾"	2¾"	1½"	
5780	2½"	3¾"	2¾"	1¾"	
5782	2¾"	3¾"	2¾"	1¾"	
5784	2¾"	4¼"	3¼"	1¾"	1¾"
5788	2¾"	4¾"	3¾"	1¾"	
5794	2½"	4¾"	3¾"	1¾"	
5800	3¼"	4¾"	3¾"	2"	
5812	3¼"	5½"	4½"	2½"	

WAREHOUSE STOCKS IN

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Oil Country Sets

1/2" Square Drive

Sockets		SAE Cap Screw & Nut Screw Dia.	Hex. Bolt and Screw Dia.	U. S. S. Bolt and Nut Screw Dia.
Cat. No.	12-Pt. Opening			
5414	7/16"	3/4"	3/4"	
5416	1/2"	7/8"	7/8"	3/4"
5418	19/32"	1"	1"	
5419	1 1/32"			5/16"
5420	5/8"	7/16"	7/16"	
5421	21/32"			
5422	11/32"			3/8"
5424	3/4"	1/2"	1/2"	
5425	25/32"			7/16"
5426	1 1/8"		1 1/8"	
5428	7/8"	9/16"	9/16"	1/2"
5430	15/16"	1"		
5431	1 1/32"			9/16"
5432	1"	1 1/16"	3/4"	
5434	1 1/8"	3/4"		5/8"
5436	1 1/4"		7/8"	
5438	1 5/8"			
5440	1 3/4"	7/8"	1"	3/4"

ATTACHMENTS

5461	5" Extension	5451	Ratchet, 10 1/2" long
5460	2 1/2" Extension	5480	18" Speed Handle.
5470	Universal Joint	5468	18" Hinge Handle
5495	Box	5466H	12" Pin Handle

5400OC Oil Country Set, as listed

3/4" Square Drive Sockets

Cat. No.	U. S. S. Hex. Nut	12-Pt. Opening	Overall Length	Inside Clearance
5528	1/2"	7/8"	1 3/4"	1"
5534	5/8"	1 1/8"	2"	1 1/4"
5540	3/4"	1 3/8"	2 3/8"	1 5/8"
5546	7/8"	1 7/8"	2 5/8"	1 7/8"
5552	1"	1 5/8"	3"	2 1/4"
5558	1 1/8"	1 3/4"	3 1/4"	2 3/4"
5564	1 1/4"	2"	3 1/2"	2 3/4"

ATTACHMENTS

5651	Ratchet
5668	18" Hinge Handle
5668H	Pin Handle
5670	Universal Joint
5661	8" Extension
5695	Box

5500OC Oil Country Set, complete as listed

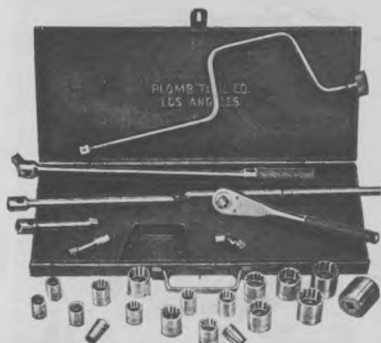
1" Square Drive Sockets

Cat. No.	U. S. S. Hex Nut	12-Pt. Opening	Overall Length	Inside Clearance
5758	1 1/8"	1 1/4"	3 1/16"	2 5/16"
5764	1 1/4"	2"	3 1/16"	2 7/16"
5770	1 3/8"	2 1/8"	3 1/16"	2 9/16"
5776	1 1/2"	2 3/8"	3 7/16"	2 7/8"
5782	1 5/8"	2 5/8"	4"	3"
5788	1 3/4"	2 3/4"	4 5/8"	3 3/8"

ATTACHMENTS

5848	Ratchet
5852	1" Adaptor Plug
5868	27" Hinge Handle
5861	9" Extension
5884	24" Bar
5885	Sliding Plug
5895	Box

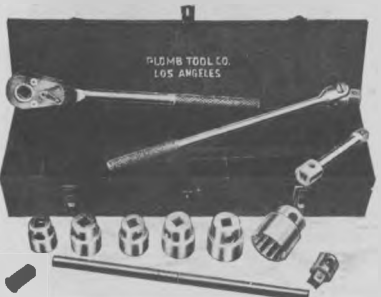
5700-OC Oil Country Set, complete as listed



Oil Country Set 5400-OC



Oil Country Set 5500-OC



Oil Country Set 5700-OC

No. 9990A Master Tool Set

114 Tools in 9990 Chest

Description

No. 9990 Chest, 11" wide, 12 $\frac{3}{4}$ " deep, 24" long.

Midget Items— $\frac{1}{4}$ " Square Drive

Handles: No. 4769 and No. 4785 Sliding Bar.
Sockets: Nos. 4706-07-08-09-08S-10-10S-11-12.

Cub Items— $\frac{1}{2}$ " Square Drive

No. 5251 Ratchet, No. 5265 Hinge Handle, No. 5280 Speeder, Nos. 5260, 5261 and 5263 $\frac{3}{4}$ ", 8" and 18" Extensions, with No. 5200PH Pin, and No. 5270 Universal Joint.

Sockets: Nos. 5208-10-12-14-16-18-20-21-22-24.
No. 5246 Screw Driver Socket.

Standard Items— $\frac{1}{2}$ " Square Drive

No. 5451 Ratchet; Nos. 5466 and 5468 $\frac{9}{16}$ " and 18" Hinge Handles; No. 5480 Speeder; Nos. 5461 and 5463 5" and 10" Extensions; No. 5466H Pin, and No. 5470 Universal Joint.

Sockets: Nos. 5414 to 5434, inclusive, except 5429.
Extra Deep Spark Plug Sockets: Nos. 5347-48S-49-51-53, with Pin. Sockets Nos. 5412S-14S-16S-18S.

Heavy Duty Items— $\frac{3}{4}$ " Square Drive

No. 5685 Sliding Bar and Nos. 5661 and 5663 8" and 16" Extensions.

Sockets: Nos. 5534-40-44-46-48-52.

Open-End Wrenches: Nos. 3020-25-30-35.

Box Wrenches: Nos. 1125-30-35.

Obstruction Box Wrenches: Nos. 1725-30.

Box-Open-End Wrenches: Nos. 1228-30-32.

Tappet Wrenches: Nos. 3425-26-30-35.

Midget Open-End Wrenches: Nos. 3210-15-20-25.

No. 2039 Ignition Pliers.

Wheel Knockers: Nos. 4410-15-20-25.

Punches and Chisels: No. 41 $\frac{7}{8}$ " Center Punch, Nos. 47, $\frac{9}{16}$ " x $\frac{3}{8}$ ", $\frac{5}{16}$ " x $\frac{7}{32}$ " and $\frac{3}{8}$ " x $\frac{1}{16}$ " Pin Punches, and Nos. 86A, $\frac{9}{16}$ " and $\frac{1}{2}$ " Chisels.

Poxylin Handle Screw Drivers: Nos. 9604-33-42.

Wood Handle Screw Drivers: Nos. 9704-06-10-52.

No. 000A Feeler Gauge Set, 9 Blades, .003" to .018".

Special Tools: No. 2037 Carbon Scraper, No. 2040

Water Pump Pliers, No. 2311 Ring Groove Cleaner, and No. 2020 Packing Hook.

No. 9989G Master Tool Set

Description

No. 9989 Chest: 10 $\frac{3}{4}$ " wide, 9" deep, 20" long.

Cub Items— $\frac{1}{2}$ " Square Drive

No. 5251 Ratchet; No. 5265 Hinge Handle with No. 5200PH Pin; No. 5280 Speeder; Nos. 5260 and 5262 and 12" Extensions, and No. 5270 Universal Joint.

12-Point Sockets: Nos. 5208-10-12-14-16-18.

Standard Items— $\frac{1}{2}$ " Square Drive

No. 5451 Ratchet; No. 5468 Hinge Handle; No. 5480 Speeder; Nos. 5461 and 5463 5" and 10" Extensions; No. 5466H Pin Handle, and No. 5470 Universal Joint.

12-Point Sockets: Nos. 5416-18-20-21-22-24-26-28-30-32.

Open-End Wrenches: Nos. 3020-25-30-35.

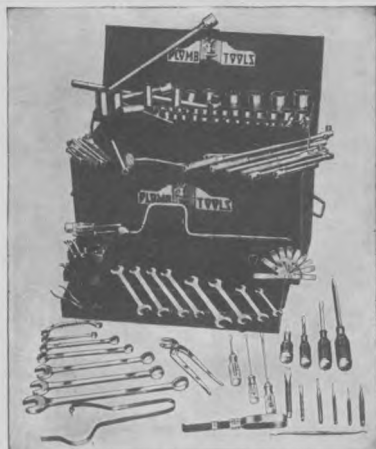
Box Wrenches: Nos. 1125-30-35.

Box-Open-End Wrenches: Nos. 1228-30-32.

Tappet Wrenches: Nos. 3425-26-30-35.

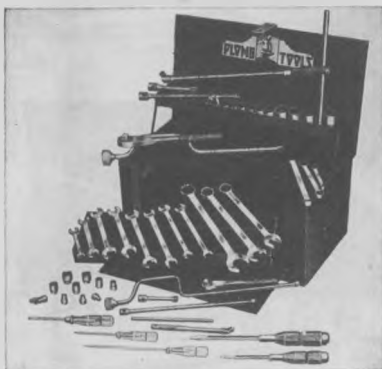
Poxylin Handle Screw Drivers: Nos. 9604-24-33.

Wood Handle Screw Drivers: Nos. 9701-06.



No. 9990A Set

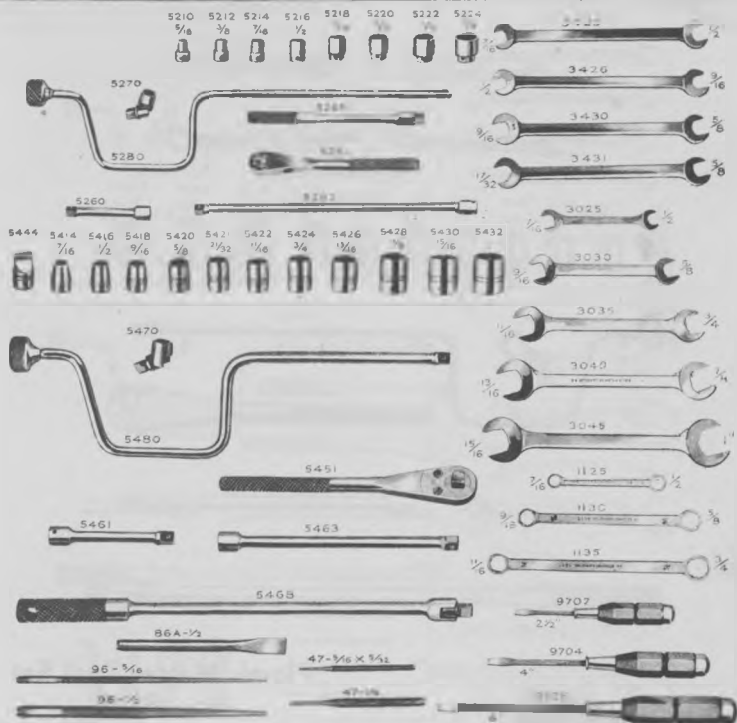
No. 9990B—Master Tool Set, same as 9989G, except in No. 9990 Chest



No. 9989G Set

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Plumb Master Tool Set No. 9989E

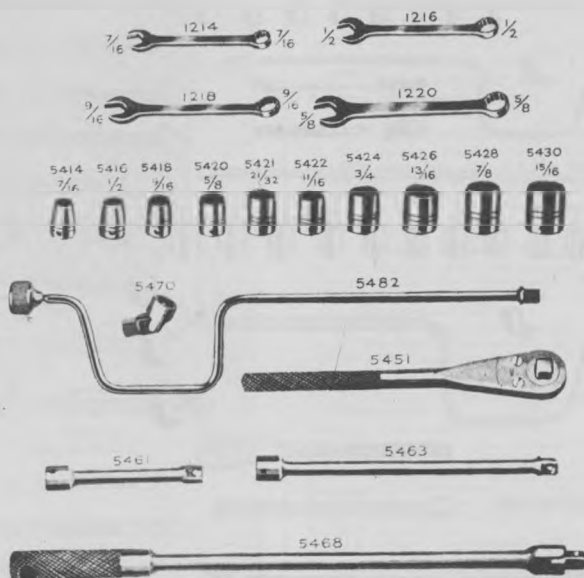
52 Tools

This is an excellent assortment of tools, selected for all-around use, providing the general mechanic with a set of greatest utility for the money invested. Includes sockets and handles, both $\frac{3}{8}$ " and $\frac{1}{2}$ " square drive, open-end and tappel wrenches, box wrenches, screw drivers, punches, chisels, etc.

No. 9989E—Complete Set of 52 tools as shown above, in No. 9989 Chest.



9989D Set



Plumb Master Tool Set No. 9989F

20 Tools

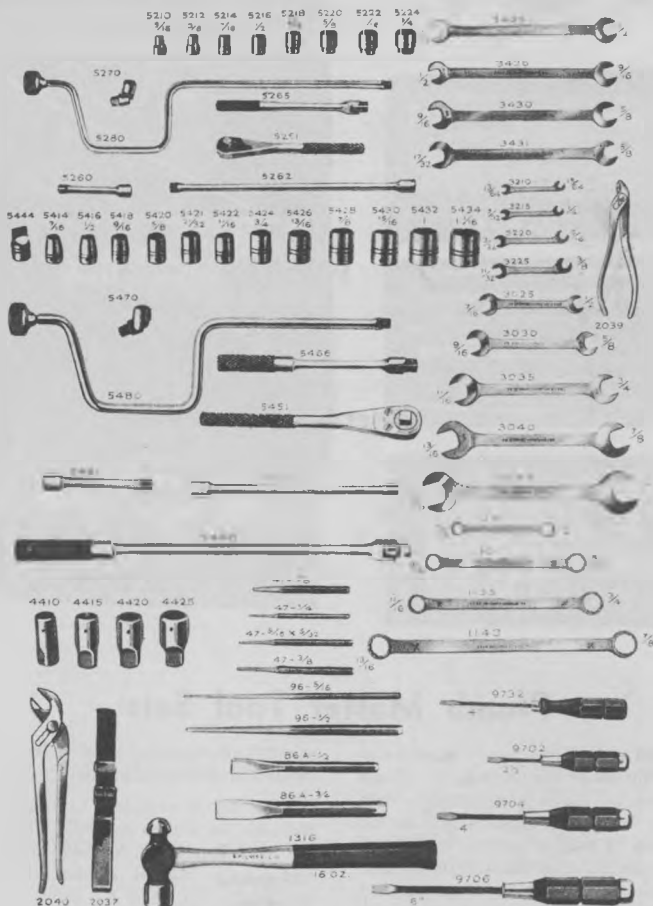
This is a smaller set, yet it contains the most essential tools for all-around work. It is just the type of tool assortment in which a mechanic invests as a start, because it is ideal as a nucleus from which to build his complete set of tools. Note the combination open-end-box wrenches. 12-point sockets provide openings for all sizes of nuts from 7/16" to 15/16" by 16ths, with the addition of 21/32".

A set that has proved exceptionally popular with men who have discovered the outstanding quality of Plumb Tools and are building up their sets.

No. 9989F—Complete set of 20 Tools as illustrated, with No. 9989 Chest.



No. 9989 Chest



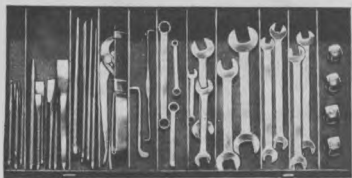
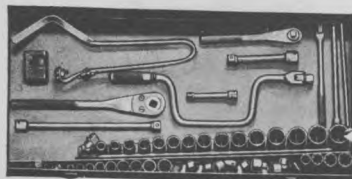
Plumb Master Tool Set No. 9989D

71 Tools

A very complete set of exceptional utility. While it is somewhat smaller than the 9999E Set, the tools included are those which the mechanic uses most in his every-day work. The chest is No. 9989, which is illustrated on Page 29.

No. 9989D—Set complete with 71 tools shown above with leatherette roll for ignition wrenches and No. 9989 Chest.

No. 9999C—Master Tool Set Illustrated



Plomb Master Tool Sets

Designed and selected for mechanics who desire a full set of the finest tools. These assortments are much more complete than the usual so-called "super socket sets." In addition to a large variety of sockets, in all the usual sizes from 5/16" to 2 1/8" (in Set No. 9999C), the sets include box wrenches, open-end wrenches, tappet wrenches, wheel knockers, screw extractors, screw drivers, chisels, punches, bars, etc.

Every tool in these sets is a live item that the mechanic uses constantly. They are *complete tool outfits* that have been

selected after careful research into the real needs and desires of mechanics.

Each set is complete in itself. Each includes the Plomb No. 9999 Tool Chest, No. 2099 Tote Tray, No. 5497 socket rack, and a set of midget ignition wrenches in leatherette roll. The No. 9999C set, illustrated above, consists of 149 tools, No. 9999D has 108 tools, and 9999E 72 tools.

In presenting Plomb Master Tool Sets to the trade, we sincerely believe we are offering the finest, most complete and usable assortments of quality hand tools that it is possible to assemble.

Listings on Sets 9999C, 9999D and 9999E are on Page 25.

Plumb Master Tool Sets

*Indicates that item listed is included in set.

No.	Size	Set No. 9999C	Set No. 9999D	Set No. 9999E
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12-POINT CUB SOCKETS—3/8" CON.

5210	5-16"	x	x	x
5212	3-8"	x	x	x
5216	7-16"	x	x	x
5218	1-2"	x	x	x
5220	3-4"	x	x	x
5221	21-32"	x	x	x
5222	11-16"	x	x	x
5223	3-8"	x	x	x

8-POINT CUB SOCKETS—3/8" CON.

5114	7-16"	x		
5116	1-2"	x		
5118	9-16"	x		
5120	5-8"	x		

12-POINT CUB UNIVERSAL SOCKETS

5274	7-16"	x		
5275	1-2"	x		
5276	9-16"	x		
5277	5-8"	x		
5278	11-16"	x		
5279	3-8"	x		

CUB ATTACHMENTS—3/8" CON.

5200PH	Pin Handle	x		
5248	Cub Screwdriver Socket	x		
5261	7" Ratchet	x		
5260	3 1/2" Extension	x		
5261	8" Extension	x		
5262	18" Extension	x		
5265	7 1/2" Hinge Handle	x		
5270	Universal Joint	x		
5280	18" Speed Handle	x		

12-POINT SOCKETS—1/2" CON.

5414	9-16"	x		
5416	1-2"	x		
5418	3-8"	x		
5419	19-32"	x		
5420	5-8"	x		
5421	21-32"	x		
5422	11-16"	x		
5424	3-4"	x		
5425	26-32"	x		
5426	12-16"	x		
5428	5-8"	x		
5430	15-16"	x		
5431	31-32"	x		
5432	1-16"	x		
5434	1 1/16"	x		

12-POINT EXTRA DEEP SOCKETS—1/2" CON.

5340	1-2"	x		
5341	9-16"	x		
5343	1-8"	x		
5344	11-16"	x		
5345	3-4"	x		
5346	25-32"	x		
5347	13-16"	x		
5348	7-8"	x		
5349	15-16"	x		
5351	1-8"	x		
5352	1 1/16"	x		
5353	1 1/8"	x		

ATTACHMENTS—1/2" CONNECTIONS

5444	3-4" Drag Link Screwdriver	x	x	
5451	Ratchet Handle	x	x	
5461	5" Extension	x	x	
5463	10" Extension	x	x	
5466	3 1/2" Hinge Handle	x	x	
5466H	Pin Handle	x	x	
5468	18" Hinge Handle	x	x	
5469	Speed Hinge Handle	x	x	
5470	Universal Joint	x	x	
5480	18" Speed Handle	x	x	

12-POINT HEAVY DUTY SOCKETS—3/4" CON.

5510	10-16"	x		
5532	1-16"	x		
5534	1-18"	x		
5536	1-8"	x		
5540	1-4"	x		
5544	1-3/8"	x		
5546	1 7/16"	x		
5548	1-2"	x		
5550	9-16"	x		
5552	1-5/8"	x		
5556	1-3/4"	x		
5558	1 13/16"	x		
5560	1-7/8"	x		
5564	1-1/2"	x		
5568	1-3/4"	x		

No.	Size	Set No. 9999C	Set No. 9999D	Set No. 9999E
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HEAVY DUTY ATTACHMENTS—3/4" CON.

5551	Ratchet Handle	x		
5561	8" Extension	x		
5563	16" Extension	x		
5585	Sliding Bar Handle	x		

15° BOX WRENCHES

1120	5-16"x3-6"	x		
1125	7-16"x1-2"	x		
1130	9-16"x5-8"	x		
1135	11-16"x3-4"	x		
1140	13-16"x7-8"	x		
1145	15-16"x1"	x		
1150	1 1/16"x1 1-8"	x		

15° OPEN END WRENCHES

3020	5-16"x3-8"	x		
3025	7-16"x1-2"	x		
3030	9-16"x5-8"	x		
3035	11-16"x3-4"	x		
3040	13-16"x7-8"	x		
3045	15-16"x1"	x		

DOUBLE-END TAPPET WRENCHES

3425	7-16"x1-2"	x		
3435	7-16"x5-8"	x		
3430	9-16"x5-8"	x		
3431	17-32"x5-8"	x		

IGNITION WRENCHES

3210	13-64"x15-64" Open End Wrench	x	x	x
3215	7-32"x1-4" Open End Wrench	x	x	x
3220	9-32"x5-16" Open End Wrench	x	x	x
3225	11-32"x3-8" Open End Wrench	x	x	x
2039	Ignition Pliers	x		

SPECIAL TOOLS

1430	Brass Hammer	x		
2020	Packing Hook	x		
2037	Flexible Carbon Scraper	x		
2040	Adjustable Water Pump Pliers	x		
2311	Ring Groove Cleaner	x		
4508	Stud Puller	x		

WHEEL KNOCKERS

4410	5-8"—18 thread	x		
4415	3-4"—16 thread	x		
4420	7-8"—14 thread	x		
4425	1"—14 thread	x		

PUNCHES, CHISELS, ETC.

30	3-4"x7-8"—12" Rivet Cutter	x		
36	5-16"x5"—Offset Screwdriver	x		
41	3-8"x4 3/4" Center Punch	x		
47	1-4"x3-32" Rivet Punch	x		
47	5-16"x1-8" Rivet Punch	x		
47	5-16"x5-32" Rivet Punch	x		
47	3-8"x3-16" Rivet Punch	x		
47	7-16"x7-32" Rivet Punch	x		
47	1-2"x1 1/4" Rivet Punch	x		
86A	1-4"x9-32"—4 1-2" Cold Chisel	x		
86A	5-16"x3-8"—5" Cold Chisel	x		
86A	3-8"x7-16"—3 1-2" Cold Chisel	x		
86A	7-16"x1-2"—8" Cold Chisel	x		
86A	1-2"x5-8"—7" Cold Chisel	x		
86A	5-8"x3-8"—8" Cold Chisel	x		
86A	3-4"x7-8"—8" Cold Chisel	x		
96	1-4"x3-32" Long Taper Drift P'ch	x		
96	5-16"x1-8" Long Taper Drift P'ch	x		
96	3-8"x3-16" Long Taper Drift P'ch	x		
96	7-16"x7-32" Long Taper Drift P'ch	x		
96	1-2"x1-4" Long Taper Drift P'ch	x		
96	5-8"x5-16" Long Taper Drift P'ch	x		
2120	5-8"x18" Garage Bar	x		

SCREW EXTRACTORS

9521	1-8"x3-16"	x		
9522	11-64"x1-4"	x		
9523	7-32"x5-16"	x		
9524	19-64"x3-8"	x		
9525	11-32"x7-16"	x		

SCREW DRIVERS

9702	1-2" Blade	x	x	x
9704	4" Blade	x	x	x
9706	6" Blade	x	x	x
9708	8" Blade	x	x	x
9741	9" Slim Blade	x	x	x
9999	"Master" Tool Chest	x	x	x
2099	Tote Tray	x	x	x
5497	Socket Rack	x	x	x

No. 9999C Set—149 items as listed.

No. 9999D Set—108 items as listed.

No. 9999E Set—72 items as listed.

PLOMB TOOLMOBILE

Moves ALL Your Tools to the Job
on Wheels

DOUBLE BALL BEARING SWIVEL
CASTERS
QUICK LOCKING



PLOMB TOOLMOBILE is as useful to the mechanic as the automobile trailer is to the vacationist. It rolls smoothly and silently to the job on 4" double ball bearing swivel casters. Arrangement of drawers, shelves, and racks enables the mechanic to "file" a complete outfit of tools so every tool is instantly available. Saves hours of time and effort. He can do more work and make more money. Strong as a steel safe. Snap a single padlock and valuable tools are completely secure.

See Further Description on Next Page



No. 9969

Built Like a Truck

Specifications:

1. Bolted-on rack has 16 holes and 8 slots, for pistons, valves, and tools.
2. Large working surface, 17 $\frac{1}{2}$ "x26 $\frac{1}{2}$ ".
3. Locking bar secures everything with one lock. Drops into slot at left, out of way when chest is in use.
4. 6" by 6" steel reinforcing plate under top for attaching light bolt-on vise.
5. Clip on each side for socket rack.
6. Drawer 6" deep, with removable sliding tray 2" deep.
7. Drawer 4" deep.
8. Large compartment 9 $\frac{1}{2}$ " high. Front panel slides under 4" drawer above.
9. Bottom drawer 6" deep.
10. Reinforcements in corners add strength and rigidity.
11. Channel reinforcements inside front legs add strength and carry caster sockets.
12. Darnell double ball-bearing swivel casters with 4" rubber-tired wheels. Foot-operated brakes on front wheels anchor Toolmobile to floor when desired.

One-piece construction with all parts joined by spot-welding. Chest 20" high without casters or piston rack, 26 $\frac{1}{2}$ " wide, 17 $\frac{1}{2}$ " front to back. Lustrous metallic blue enamel finish. Weight complete, without tools, 126 pounds.



Plomb Toolmobile Master Sets

(Continued from Preceding Page)

No. 9969A—Plomb Toolmobile Set

175 Items

No.
000A Feeler Gauge Set
19 Scratch Awl
26 1/2" Offset Cutter
36 1/2" Offset Screwdriver
36 1/2" Offset Screwdriver

Punches and Chisels

41 3/4" Center Punch
47 1/2" 1/2"
47 1/2" 1/2"
47 1/2" 1/2"
47 1/2" 1/2"
50 1/2" Solid Punch
50 3/4" Solid Punch
50 1/2" Solid Punch
50 1/2" Solid Punch
86A 5/8" Cold Chisel
86A 3/4" Cold Chisel
86A 1/2" Cold Chisel
86A 3/4" Cold Chisel
96 5/8" Long Taper Punch
96 1/2" Long Taper Punch
96 3/4" Long Taper Punch

Box Wrenches

1120 1/2"x3/4"
1125 1/2"x3/4"
1128 1/2"x3/4"
1130 1/2"x3/4"
1135 1/2"x3/4"
1140 1/2"x3/4"
1145 1/2"x3/4"
1150 1/2"x3/4"

Box-Open-End Wrenches

1210 1/2"
1215 1/2"
1216 1/2"
1218 1/2"
1220 1/2"

Hammers

1302 2-oz.
1304 4-oz.
1308 8-oz.
1310 1-lb.
1400 Brass Hammer

Special Tools

1725 Obstruction Wrench
1730 Obstruction Wrench
2029 Packing Hook
2035 Valve Guide Cleaner
2038 Gasket Scraper
2037 Carbon Scraper
2039 Ignition Pliers
2040 Water Pump Pliers
2120 Garage Bar
2126 Gear Bar
2218 Battery Pliers

Open-End Wrenches

2020 1/2"x3/4"
2025 1/2"x3/4"
2026 1/2"x3/4"
2027 1/2"x3/4"
2035 1/2"x3/4"
2040 1/2"x3/4"
2045 1/2"x3/4"
2050 1/2"x3/4"

Midget Wrenches

3210 1/8"x1/16"
3215 1/8"x1/16"
3220 1/8"x1/16"
3225 1/8"x1/16"

Tappet Wrenches

3425 1/2"x3/4"
3426 1/2"x3/4"
3430 1/2"x3/4"
3431 1/2"x3/4"
3435 1/2"x3/4"
3440 1/2"x3/4"

Wheel Knockers

No.
4410 1/2" 18-thread
4415 3/4" 16-thread
4420 1/2" 14-thread
4425 1/2" 14-thread
44" Drive Set
4700A Midget Socket
Set (11 tools)

1/4" Drive Items

5018SF 10 m.m. Spark
Plug Socket
6022SP 10 m.m. Spark
Plug Socket
6026SP 14 m.m. Spark
Plug Socket
8114 1/2" 9-pt. Socket
8116 1/2" 9-pt. Socket
8119 1/2" 9-pt. Socket
8120 1/2" 9-pt. Socket
8121 1/2" 12-pt. Socket
8214 1/2" 12-pt. Socket
8216 1/2" 12-pt. Socket
8218 1/2" 12-pt. Socket
8220 1/2" 12-pt. Socket
8222 1/2" 12-pt. Socket
8224 3/4" 12-pt. Socket
8240 10 m.m. Plug Adaptor
8248 Screw Driver Socket
8251 Cub Ratchet
8260 3/4" Extension
8261 8" Extension
8285 Hinge Handle
8270 Universal Joint
8275 1/4" Universal Socket
8276 1/2" Universal Socket
8277 Universal Socket
8280 18" Speeder
8297 Socket Rack

1/4" Drive Items

5345 1/4" Deep Socket
5347 1/4" Deep Socket
5348 1/4" Deep Socket
5349 1/4" Deep Socket
5351 1" Deep Socket
5414 1/4" 12-pt. Socket
5416 1/4" 12-pt. Socket
5418 1/4" 12-pt. Socket
5419 1/4" 12-pt. Socket
5420 1/4" 12-pt. Socket
5422 1/4" 12-pt. Socket
5424 1/4" 12-pt. Socket
5426 1/4" 12-pt. Socket
5428 1/4" 12-pt. Socket
5430 1/4" 12-pt. Socket
5432 1/4" 12-pt. Socket
5434 1/4" 12-pt. Socket
5444 Drag Link Screw
Driver
5451 Standard Ratchet
5460 2 1/4" Extension
5461 5" Extension
5463 10" Extension
5466 8 1/4" Hinge Handle
5468 18" Hinge Handle
5469 Speed Hinge Handle
5470 Universal Joint
5478 1/4" Universal Socket
5479 3/4" Universal Socket
5480 18" Speed Handle
5497 Socket Rack

1/4" Drive Items

5536 1 1/4" 12-pt. Socket
5540 1 1/4" 12-pt. Socket
5542 1 1/4" 12-pt. Socket
5544 1 1/4" 12-pt. Socket
5546 1 1/4" 12-pt. Socket
5548 1 1/4" 12-pt. Socket
5552 1 1/4" 12-pt. Socket
5556 1 1/4" 12-pt. Socket
5561 8" Extension
5568 18" Hinge Handle
5585 Sliding Bar Handle

Screw Extractors

5621 1/2"
5622 1/2"
5623 1/2"
5624 1/2"
5625 1/2"

Pyroxylin Handle Screw Drivers

No.
9604 4" 1/4" Bit
9606 6" 1/4" Bit
9622 2 1/4" 1/4" Bit
9623 2 1/4" 1/4" Bit
9642 10" 1/4" Bit
9651 1" 1/4" Bit

Wood Handle Screw Drivers

9702 2 1/4" 1/4" Bit
9704 4" 1/4" Bit
9706 6" 1/4" Bit
9708 8" 1/4" Bit
9712 12" 1/4" Bit
9869 Toolmobile Chest
9869A—Toolmobile Set
Complete

No. 9969C—Chevrolet Toolmobile Set

192 Items

9969A Toolmobile Set, as above, with addition of following tools:
30 3/4"x15 Rivet Cutter
1132 3/4"x3/4" Extra Long Box Wrench
1133 1 1/4"x3/4" Extra Long Box Wrench
2006 Hendix Star Nut Wrench
2032 1" Water Pump Wrench
4418 1/2" 14 Th. Wheel Knocker
5230 Oil Pan Screw Driver
5234 36" Speeder
5262 18" Extension
5538 1 1/4" 12-pt. Socket
6701 Chevrolet Head Wrench
6707 Valve Guide Punch
6708 Valve Guide Punch
6725 Hub Bolt Punch
6730 Motor Support, Steering
Eccentric and Starter
Wrench

6737 Gas Tank Spanner
9684 4" No. 1A Phillips Screwdriver

9969C—Chevrolet Toolmobile Set Complete

No. 9969F—Ford Toolmobile Set

194 Items

9969A Toolmobile Set, with addition of the following items:

5282 24" Speeder
6502 Brake Wrench
6506 A & B Wrist Pin Tool
6507 Valve Guide Punch
6512 Fan Pulley Socket
6514 Water Pump Spanner
6515 Main Bearing & Con. Rod
Wrench
6516 V8 Wrist Pin Tool
6521 V8 Valve Guide Punch
6523 V8 Con. Rod Nut Socket
6525 Hub Bolt Punch
6527 Headlight Wrench
6528 Carburetor Jet Wrench
6529 Headlight & Horn Wrench
6537 Gas Tank Spanner
6538 Shock Absorber Plug Wrench
6539 85 Valve Lifter
6540 Water Pump Spanner
6541 60 Valve Lifter

9969F—Ford Toolmobile Set Complete

No. 9969P—Plymouth Toolmobile Set

190 Items

9969A Toolmobile Set, with addition of the following items:

1234 1 1/2" Box-Open-End Wrench
2400F Single End Tappet Wrench
Set, 12 Wrenches in Leatherette Roll
5282 14" Speeder
5429 36" 12-pt. Socket
6661 Starter Wrench
9683 8" No. 2A Phillips Screwdriver
9969P—Plymouth Toolmobile Set
Complete

Tool Boxes and Carrying Cases

All Plumb tool boxes, carrying cases, trays, etc., are made of finest quality sheet steel, of ample weight and strength to hold their shape and last indefinitely with maximum load and under the hardest conditions.

No. 9999—Master Tool Chest

Fully meets needs of mechanics with large stock of tools. 18-gauge sheet steel is welded and riveted to retain shape and rigidity with a full load. Folding handles strongly reinforced. Spring clips inside lid hold three speeders. Dark olive green baked enamel finish.

Weight empty, 84 lbs. Outside dimensions: 12" wide, 24" long, 20 $\frac{1}{4}$ " high. Top compartment 8" deep. Top drawer 1 $\frac{3}{4}$ " deep, with compartment for small sockets. Middle drawer 1 $\frac{3}{4}$ " deep, with five adjustable partitions. Third drawer 2 $\frac{1}{4}$ " deep, with ten adjustable partitions. Bottom drawer 3 $\frac{3}{4}$ " deep, with two movable partitions.

When opened, front slides down under bottom drawer. With lid closed, front completely covers drawers, hasps of both front and top locking over same staple. Lid in closing pushes two long spring bolts behind front of chest down into sockets in front cover, reinforcing front and making chest firm and solid. One padlock secures everything.

No. 9999—Master Chest, complete with all drawers, as illustrated.

No. 9999A—Master Chest, complete with addition of No. 2099 Tray and No. 5497 Socket Rack (see both on following pages.)

No. 9990—Master Tool Chest

Made from 18-gauge steel, spot-welded at all joints, with smooth contours, reinforced corners, and edges turned for smoothness and strength. Steel ring drawer pulls are welded on, and heavy steel drop handle on each end is also welded. Baked enamel, dark olive green, wrinkled finish.

Overall dimensions: 11" wide, 12 $\frac{3}{4}$ " deep, 24" long. Section above drawers is 7" deep, with two built-in compartments: one at upper back for extra-deep sockets and wheel knockers, the other on bottom at front for heavy-duty sockets. Plenty of room in top space for overalls. No. 5295 carrying case and large tools such as gear pullers.

Cantilever tray swings up when lid is opened and is divided into three sections for sockets and handles.

Large top drawer 10 $\frac{1}{4}$ " wide, 2 $\frac{1}{4}$ " deep, 17 $\frac{1}{4}$ " long, without partitions, for miscellaneous tools. Large bottom drawer 10 $\frac{1}{4}$ " wide, 2 $\frac{1}{4}$ " deep, 21 $\frac{1}{4}$ " long, with three compartments for wrenches and long tools. Two small drawers are each 3 $\frac{3}{4}$ " wide, 1" deep, 10 $\frac{1}{4}$ " long. One has four sections, the other is without partitions, and both are used for midjet sockets and small wrenches.

Hinged front of chest covers drawers when chest is closed, hasp locking over same staple as hasp of lid. One padlock secures everything, or either drawer section or top may be locked separately.



No. 9999 Master Tool Chest



No. 9990 Master Tool Chest

Tool Boxes (Cont'd)

No. 9989--Master Tool Chest

Made of 18-gauge sheet steel, welded and riveted; dark olive green baked enamel finish. Hinged tray swings up with lid. Removable tray gives easy access to large interior.

Overall dimensions: 9" deep, 10 $\frac{3}{4}$ " wide, 20" long. Hinged tray 1 $\frac{1}{4}$ " deep, 5 $\frac{1}{4}$ " wide, 19" long. Front tray 1 $\frac{1}{4}$ " deep, 5 $\frac{1}{4}$ " wide, 19" long. Large top space 6" deep, 10 $\frac{3}{4}$ " wide, 20" long. Fixed tray in top space 2 $\frac{3}{4}$ " deep, 4 $\frac{1}{4}$ " wide, 20" long. Each tray and bottom compartment have separate section for sockets or small tools. Heavy hasp fits over staple on hinged front to lock chest securely. Strong folding handles. Weight, empty, 26 lbs.

No. 5295--Cub Tool Box

A convenient small box, 1 $\frac{1}{4}$ " deep, 4 $\frac{1}{4}$ " wide, 18 $\frac{1}{2}$ " long. Handy for trouble-shooting, as it is a convenient size to carry.

No. 5495--Standard Tool Box

A heavy-gauge steel box with socket compartment lengthwise of box, and compartment at front for extra sockets, cotter keys, small tools, etc. Clips inside top for speeder handle. Hooked staple holds cover down tight. Handle folds out of way when not in use. 1 $\frac{3}{4}$ " deep, 7 $\frac{3}{4}$ " wide, 19" long. Olive green baked enamel finish.

No. 5496--Standard Box with Socket Rack

No. 5495 Standard tool box, described above, with the addition of No. 5497 socket rack, which clips over side of the partition or on inside edge of box, and holds 17 sockets with $\frac{1}{2}$ " square drives. See dimensions of box above.

Socket Racks

Made with clip on back, which slips over edge of box or partition. Can be carried on side of Tote Tray or can be put in a convenient place on wall or bench. Sockets fit firmly on rack. Made of heavy sheet steel, olive green baked enamel finish.

No. 5297--Cub Socket Rack, 18 $\frac{1}{4}$ " long; has 17 clips for sockets with $\frac{3}{8}$ " square drives.

No. 5497--Standard Socket Rack. 18 $\frac{1}{2}$ " long; has 17 clips for sockets with $\frac{1}{2}$ " square drives.

No. 9995--Socket Box

For 5400 Series $\frac{1}{4}$ " square drive sockets, and holds No. 5400G set of 14 sockets. Hooks on work bench or on side of Tote Tray. Hinged handle turns up over sockets, holding them firmly in place. 18 $\frac{1}{4}$ " long, 1" to 1 $\frac{1}{4}$ " wide, and 1" to 1 $\frac{1}{4}$ " deep.



No. 9989



No. 5295



No. 5496



No. 5297 and No. 5497



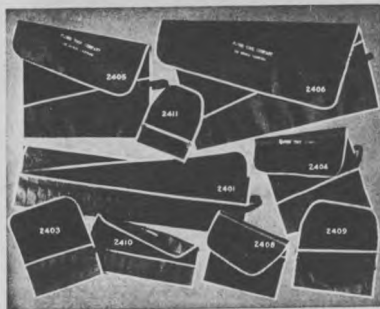
No. 9995



No. 2099—Tray



No. 5895



Leatherette Rolls for Tool Kits

Tool Boxes (Cont'd)

No. 5695—Heavy-Duty Tool Box

For Heavy Duty Socket Sets with $\frac{3}{4}$ " drive. Lid reinforced with steel cross-ribs. Handle, on top of lid, folds flush into recess. Three compartments, as shown, just right for heavy-duty sockets and handles. Double-hinged; locks with two spring hasps. $3\frac{1}{2}$ " deep, 8" wide, $19\frac{1}{2}$ " long; weight, 7 lbs.

No. 2099—Handy Tool Tray

10" wide, 19" long, 7" deep under handle. Side compartment, $1\frac{3}{4}$ " wide. Handy for sockets, small tools, etc. Weight, $5\frac{1}{4}$ lbs.

No. 5895—Extra-Heavy-Duty Box

$4\frac{1}{2}$ " deep, 7" wide and $27\frac{1}{2}$ " long, to fit the Extra-Heavy-Duty handles and sockets described on page 22. Also used for large Heavy-Duty sets, with $\frac{3}{4}$ " square drive, especially with the larger sockets. Made extra-heavy throughout, welded, riveted and strongly reinforced.

Leatherette Rolls for Tool Kits

Made of heavy first-grade leatherette, with strongly stitched seams and bound edges. Handsome in appearance, black trimmed with silver. Nos. 2408, 2409, 2410 and 2411 have snaps, all others have heavy woven tie strings.

Roll No.	Dimensions Laid Flat	No. of Pockets
*2401	$7\frac{5}{8}" \times 26\frac{1}{2}"$	23
*2402	$7\frac{1}{2}" \times 14"$	12
2403	$10" \times 8\frac{1}{4}"$	6
2404	$17" \times 10\frac{1}{4}"$	7
2405	$18\frac{1}{4}" \times 14\frac{3}{4}"$	6
2406	$21\frac{1}{2}" \times 21\frac{1}{4}"$	8
2407	$19" \times 10\frac{1}{4}"$	5
**2408	$14\frac{1}{2}" \times 8\frac{1}{2}"$	4
**2409	$10\frac{3}{4}" \times 9\frac{1}{4}"$	4
**2410	$8\frac{5}{8}" \times 12\frac{7}{8}"$	11
**2411	$8\frac{1}{4}" \times 6\frac{1}{2}"$	5
2412	$31" \times 32"$	15
2413	$26\frac{1}{2}" \times 25\frac{1}{2}"$	13
2424	$12\frac{3}{4}" \times 35\frac{1}{2}"$	44 Loops

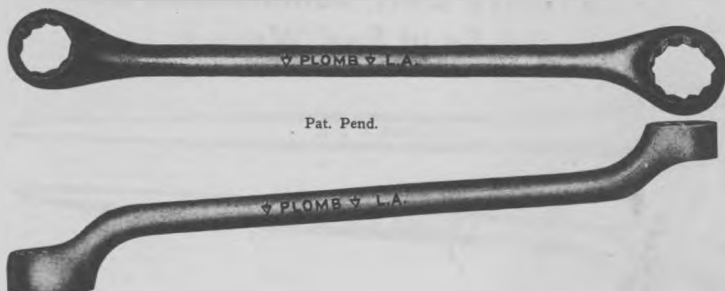
*Flap is extra piece, stitched on at top.

**Equipped with snaps instead of tie strings.

No. 2424—Tool Roll

Made of extra-heavy leatherette, lined with thick green felt as an effective background for the tools, and with green felt flaps at top and bottom to cover the tools. $12\frac{1}{4}$ " wide by 36" long. It rolls compactly and is made secure by an attached strap. Holds tools firmly and is easy to carry.

Extra Heavy Duty Double End Box Wrenches



Pat. Pend.

Forged from alloy steel this double end extra heavy duty box wrench is balanced to meet the stress and strain found in the heavy operations encountered in industry.

The head is reinforced where the greatest strains occur whether in making up or breaking out work.

Cat. No.	U.S.S. Bolt Size	S.A.E. Bolt Size	Amer. Std. Bolt Size	12 Pt. Opening Sizes	Overall Length	Head Thickness
1036	$\frac{3}{8}$ " $\frac{1}{2}$ "	$\frac{3}{8}$ " $\frac{1}{2}$ "	$\frac{3}{8}$ " $\frac{1}{2}$ "	$\frac{11}{16}$ " $\frac{7}{8}$ "	$11\frac{1}{2}$ "	$\frac{7}{16}$ " $\frac{9}{16}$ "
1041	$\frac{1}{2}$ " $\frac{5}{8}$ "	$\frac{1}{2}$ " $\frac{5}{8}$ "	$\frac{1}{2}$ " $\frac{5}{8}$ "	$\frac{7}{8}$ " $1\frac{1}{16}$ "	15"	$\frac{9}{16}$ " $1\frac{1}{4}$ "
1045	— —	$\frac{5}{8}$ " $1\frac{1}{16}$ "	$\frac{5}{8}$ " —	$\frac{15}{16}$ " 1"	15"	$\frac{5}{8}$ " $1\frac{1}{4}$ "
1051	$\frac{3}{4}$ " $\frac{7}{8}$ "	$\frac{3}{4}$ " $\frac{7}{8}$ "	— —	$\frac{11}{16}$ " $1\frac{1}{4}$ "	$16\frac{1}{2}$ "	$\frac{3}{4}$ " $1\frac{1}{4}$ "
1053	— —	— —	$\frac{3}{4}$ " $\frac{7}{8}$ "	$1\frac{1}{8}$ " $1\frac{3}{8}$ "	$16\frac{1}{2}$ "	$\frac{3}{4}$ " $1\frac{1}{4}$ "
1061	$\frac{3}{4}$ " $\frac{7}{8}$ "	1" —	— —	$1\frac{1}{4}$ " $1\frac{1}{2}$ "	20"	$\frac{7}{8}$ " $1\frac{3}{4}$ "
1063	1" —	1" $1\frac{1}{8}$ "	— —	$1\frac{1}{4}$ " $1\frac{3}{8}$ "	24"	1" $1\frac{1}{4}$ "
1066	$1\frac{1}{4}$ " $1\frac{1}{2}$ "	$1\frac{1}{4}$ " $1\frac{3}{8}$ "	— —	$1\frac{3}{4}$ " 2"	30"	$1\frac{1}{4}$ " $1\frac{3}{4}$ "
1068	1" $1\frac{1}{2}$ "	$1\frac{3}{8}$ " —	— —	2" $2\frac{3}{8}$ "	32"	$1\frac{1}{4}$ " $1\frac{3}{8}$ "
1069	$1\frac{3}{4}$ " $1\frac{1}{2}$ "	$1\frac{1}{2}$ " —	— —	$2\frac{3}{8}$ " $2\frac{1}{2}$ "	32"	$1\frac{3}{8}$ " $1\frac{1}{2}$ "

Light Duty Offset Box Wrenches

12-point openings. 60° angle offset on each end. Extra long. No duplication of openings. Made in the following sizes.

U. S. AND AMERICAN STANDARD SIZES ON PAGE 5

No.	U. S. Bolts-Nuts	12-point Openings	Overall Length	Shank Clearance
8180	$\frac{3}{16}$ "	$\frac{3}{16}$ "- $\frac{7}{16}$ "	$7\frac{3}{4}$ "	$\frac{3}{4}$ "
8181	$\frac{1}{4}$ "	$\frac{1}{4}$ "- $\frac{9}{16}$ "	8"	$\frac{1}{2}$ "
8182	$\frac{3}{8}$ "	$\frac{3}{8}$ "- $1\frac{1}{16}$ "	10"	$1\frac{1}{8}$ "
8183	$\frac{7}{16}$ "	$\frac{3}{4}$ "- $2\frac{5}{16}$ "	11"	1"
8184	$\frac{1}{2}$ "	$1\frac{1}{8}$ "- $\frac{7}{8}$ "	13"	$1\frac{1}{8}$ "
8185	$\frac{3}{4}$ "	$1\frac{1}{4}$ "-1"	14"	$1\frac{1}{2}$ "



Wrench Sets

8100B—Complete 6-Wrench Set, as listed, in Canvas Bag.

8100C—5-Wrench Set, Nos. 8180 to 8184, inclusive, in Canvas Bag.

8100D—4-Wrench Set, Nos. 8180 to 8183, inclusive, in Canvas Bag.

Extra Heavy Duty Combination Box and Spud End Wrench



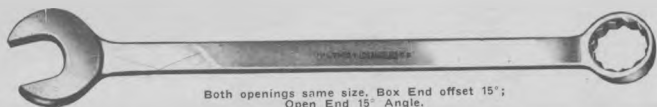
Patent Pending

Sturdily built to make light work of frozen or corroded bolts and nuts. The spud end handy for aligning holes in flanges.

Single Box End Structural Wrenches

Cat. No.	U.S.S. Bolt Size	S.A.E. Bolt Size	12 pt. Opening Overall	Length Head	Thickness
2617	5/8"	3/4"	1 3/16"	14 3/4"	1 1/16"
2620	3/4"	7/8"	1 1/4"	17"	1 1/16"
2623	7/8"	1"	1 7/16"	20 1/4"	1 1/16"
2626	1"	1 1/8"	1 3/8"	21 1/2"	1 1/16"
2629	1 1/8"	1 1/4"	1 11/16"	22 3/4"	1 1/8"
2632	1 1/4"	1 3/8"	2"	24 1/2"	1 3/8"
2635	1 3/8"	1 1/2"	2 3/10"	26"	1 3/8"
2638	1 1/2"		2 3/4"	27 3/4"	1 1/2"

Combination Box and Open-End Wrenches



Both openings same size. Box End offset 15°;
Open End 15° Angle.

STANDARD SIZES ON PAGE 4

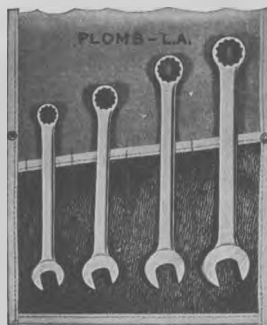
No.	Both Openings	Overall Length	Box Head Thickness	Open Head Thickness	U.S.S. Bolt Size	S.A.E. Bolt Size	Amer. Std. Bolt Size
1210	5/16"	3 1/2"	7/32"	5/32"	1/8"	-----	5 & 6
1212	3/8"	4 1/4"	1/4"	3/16"	7/16"	-----	10
1214	7/16"	5 1/2"	9/16"	1/2"	-----	5/4"	12 & 1/4"
1216	1/2"	6 1/4"	5/8"	3/4"	1/4"	7/16"	-----
1218	9/16"	7"	11/32"	7/8"	-----	3/8"	7/16"
1220	5/8"	7 1/4"	7/16"	7/8"	7/16"	7/16"	3/8"
1222	11/16"	8 1/2"	7/16"	7/8"	7/8"	-----	7/16"
1224	3/4"	9 1/4"	7/16"	1"	-----	1/2"	7/16"
1226	13/16"	10 1/4"	7/16"	1 1/16"	-----	-----	1 1/16"
1228	7/8"	11 1/4"	7/16"	1 1/8"	7/2"	9/16"	7/8"
1230	15/16"	12 1/4"	7/16"	1 1/4"	-----	1 1/16"	5/8"
1232	1 1/8"	13 3/8"	7/16"	1 3/8"	-----	3/4"	-----
1234	1 1/16"	14 1/2"	7/16"	1 7/8"	7/8"	7/8"	3/4"
1236	1 3/8"	15 3/4"	7/16"	2 1/8"	3/4"	7/8"	7/8"
1240	1 1/2"	17 1/2"	9/16"	2 1/16"	3/4"	7/8"	-----

FOR SETS SEE TOP NEXT PAGE

Box-Open-End Wrench Sets

No.	Description
1200A	Illustrated at right. Provides the most-used sizes of openings—Nos. 1214, $\frac{7}{16}$ "; 1216, $\frac{1}{2}$ "; 1218, $\frac{9}{16}$ ", and 1220, $\frac{5}{8}$ ". In No. 2409 leatherette roll.
1200B	Five wrenches—Nos. 1214, $\frac{7}{16}$ "; 1216, $\frac{1}{2}$ "; 1218, $\frac{9}{16}$ "; 1220, $\frac{5}{8}$ ", and 1224, $\frac{3}{4}$ ". In No. 2409 leatherette roll.
1200C	Six wrenches—Nos. 1214 to 1224, inclusive, all openings from $\frac{7}{16}$ " to $\frac{3}{4}$ ", inclusive, by 16ths. In No. 2405 leatherette roll.
1200D	Seven wrenches—Nos. 1212 to 1224, inclusive, all openings from $\frac{3}{8}$ " to $\frac{3}{4}$ ", inclusive, by 16ths. In No. 2405 leatherette roll.
1200E	Twelve wrenches—Nos. 1212-14-16-18-20-22-24-28-30-32-34-36, in No. 2406 roll.

For LEATHERETTE ROLLS
See Page 30



Set No. 1200A



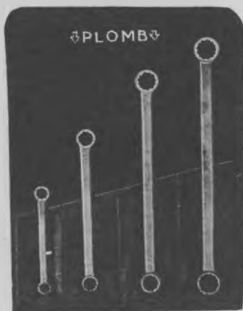
15° Angle Box Wrenches



No.	U. S. S. Bolt Size	S. A. E. Bolt Size	Amer. Std. Bolt Size	12 Point Openings	Overall Length	Head Thickness
1120	$\frac{1}{8}$ "- $\frac{1}{4}$ "		5&6-10	$\frac{1}{8}$ " x $\frac{3}{8}$ "	4"	$\frac{1}{4}$ "- $\frac{1}{2}$ "
1122	$\frac{3}{16}$ "	$\frac{1}{4}$ "	10-12& $\frac{1}{4}$ "	$\frac{3}{8}$ " x $\frac{7}{16}$ "	4 $\frac{1}{2}$ "	$\frac{1}{4}$ "- $\frac{3}{8}$ "
1125	$\frac{1}{4}$ "	$\frac{1}{4}$ "- $\frac{9}{16}$ "	12& $\frac{1}{4}$ "	$\frac{7}{16}$ " x $\frac{1}{2}$ "	5"	$\frac{5}{16}$ "- $\frac{9}{16}$ "
1126	$\frac{1}{4}$ "	$\frac{9}{16}$ "- $\frac{3}{8}$ "	$\frac{5}{16}$ "	$\frac{1}{2}$ " x $\frac{9}{16}$ "	6 $\frac{1}{4}$ "	$\frac{5}{16}$ "- $\frac{1}{2}$ "
1127	$\frac{1}{4}$ "- $\frac{3}{16}$ "	$\frac{9}{16}$ "		$\frac{1}{2}$ " x $1\frac{1}{32}$ "	7 $\frac{1}{2}$ "	$\frac{5}{16}$ "- $\frac{3}{4}$ "
1130		$\frac{3}{8}$ "- $\frac{7}{16}$ "	$\frac{5}{16}$ "- $\frac{3}{8}$ "	$\frac{9}{16}$ " x $\frac{5}{8}$ "	7 $\frac{1}{2}$ "	$1\frac{1}{32}$ "- $\frac{3}{8}$ "
1131		$\frac{7}{16}$ "- $\frac{1}{2}$ "	$\frac{3}{8}$ "- $\frac{7}{16}$ "	$\frac{5}{8}$ " x $\frac{3}{4}$ "	9"	$\frac{3}{8}$ "- $\frac{1}{2}$ "
1134	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{3}{8}$ "	$\frac{5}{8}$ " x $1\frac{1}{16}$ "	9 $\frac{1}{4}$ "	$\frac{3}{8}$ "- $\frac{1}{2}$ "
1135	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{7}{16}$ "	$1\frac{1}{16}$ " x $\frac{3}{4}$ "	10 $\frac{1}{2}$ "	$\frac{7}{16}$ "- $\frac{3}{4}$ "
1136	$\frac{3}{8}$ "- $\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{9}{16}$ "	$1\frac{1}{16}$ " x $\frac{7}{8}$ "	11 $\frac{1}{2}$ "	$\frac{7}{16}$ "- $1\frac{1}{32}$ "
1137	$\frac{3}{8}$ "- $\frac{1}{2}$ "			$1\frac{1}{16}$ " x $2\frac{29}{32}$ "	11"	$1\frac{5}{32}$ "- $\frac{7}{16}$ "
1139	$\frac{1}{2}$ "	$\frac{1}{2}$ "- $\frac{9}{16}$ "	$\frac{7}{16}$ "- $\frac{9}{16}$ "	$\frac{3}{4}$ " x $\frac{7}{8}$ "	11 $\frac{1}{2}$ "	$\frac{7}{16}$ "- $1\frac{1}{32}$ "
1140	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$1\frac{1}{2}$ "- $\frac{9}{16}$ "	$\frac{3}{4}$ " x $\frac{7}{8}$ "	12 $\frac{1}{4}$ "	$1\frac{5}{32}$ "- $1\frac{15}{32}$ "
1141	$\frac{1}{2}$ "- $\frac{9}{16}$ "	$\frac{9}{16}$ "- $\frac{3}{4}$ "	$\frac{9}{16}$ "	$\frac{7}{8}$ " x $1\frac{1}{16}$ "	15"	$1\frac{5}{32}$ "- $1\frac{17}{32}$ "
1145		$\frac{9}{16}$ "- $1\frac{1}{16}$ "	$\frac{5}{8}$ "	$1\frac{5}{16}$ " x 1"	14"	$\frac{1}{2}$ "- $\frac{1}{2}$ "
1147	$\frac{5}{8}$ "	$\frac{3}{4}$ "- $\frac{3}{4}$ "	$\frac{5}{8}$ "	$1\frac{5}{16}$ " x $1\frac{1}{16}$ "	15 $\frac{1}{2}$ "	$\frac{1}{2}$ "- $1\frac{17}{32}$ "
1150	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "	$1\frac{1}{16}$ " x $1\frac{1}{8}$ "	16"	$1\frac{17}{32}$ "- $1\frac{17}{32}$ "
1151	$\frac{5}{8}$ "- $\frac{3}{4}$ "	$\frac{3}{4}$ "- $\frac{7}{8}$ "		$1\frac{1}{16}$ " x $1\frac{1}{4}$ "	17"	$1\frac{17}{32}$ "- $\frac{3}{4}$ "
1155	$\frac{3}{4}$ "	$\frac{7}{8}$ "	$\frac{7}{8}$ "	$1\frac{1}{4}$ " x $1\frac{1}{8}$ "	17 $\frac{3}{4}$ "	$\frac{5}{8}$ "- $\frac{5}{8}$ "
1160	$\frac{3}{4}$ "	$\frac{7}{8}$ "		$1\frac{1}{4}$ " x $1\frac{3}{8}$ "	18 $\frac{1}{4}$ "	$\frac{5}{8}$ "- $\frac{9}{8}$ "
1161	$\frac{3}{4}$ "- $\frac{7}{8}$ "	$\frac{7}{8}$ "-1"		$1\frac{1}{4}$ " x $1\frac{1}{2}$ "	19 $\frac{1}{2}$ "	$\frac{5}{8}$ "- $\frac{3}{4}$ "
1162	$\frac{7}{8}$ "	1"	1"	$\frac{7}{8}$ " x $1\frac{1}{2}$ "	20 $\frac{3}{8}$ "	$\frac{3}{4}$ "- $\frac{3}{4}$ "
1163	$\frac{7}{8}$ "-1"	1"- $1\frac{1}{8}$ "		$1\frac{3}{4}$ " x $1\frac{1}{8}$ "	22 $\frac{1}{2}$ "	$\frac{3}{4}$ "- $\frac{7}{8}$ "
1164	1"	$1\frac{1}{8}$ "	$1\frac{1}{8}$ "	$1\frac{5}{8}$ " x $1\frac{1}{16}$ "	24 $\frac{1}{2}$ "	$\frac{7}{8}$ "- $\frac{7}{8}$ "

Box Wrench Sets on Following Page

Popular Sets of 15° Box Wrenches



No. 1100A—4-Wrench Set

Includes the four wrenches used most in all-around work—Nos. 1125, $\frac{7}{16}$ " x $\frac{1}{2}$ "; 1130, $\frac{9}{16}$ " x $\frac{5}{8}$ "; 1135, $\frac{11}{16}$ " x $\frac{3}{4}$ "; and 1140, $\frac{13}{16}$ " x $\frac{7}{8}$ ". In No. 2405 roll.

No. 1100C—9-Wrench Set

A very complete set, including Nos. 1120, $\frac{5}{16}$ " x $\frac{3}{8}$ "; 1125, $\frac{7}{16}$ " x $\frac{1}{2}$ "; 1126, $\frac{1}{2}$ " x $\frac{9}{16}$ "; 1130, $\frac{9}{16}$ " x $\frac{5}{8}$ "; 1131, $\frac{5}{8}$ " x $\frac{3}{4}$ "; 1135, $\frac{11}{16}$ " x $\frac{3}{4}$ "; 1140, $\frac{13}{16}$ " x $\frac{7}{8}$ "; 1145, $\frac{15}{16}$ " x 1"; and 1150, $1\frac{1}{16}$ " x $1\frac{1}{8}$ ". In No. 2406 leatherette roll.

No. 1100B—6-Wrench Set

Six wrenches that provide ten different openings—Nos. 1125, $\frac{7}{16}$ " x $\frac{1}{2}$ "; 1126, $\frac{1}{2}$ " x $\frac{9}{16}$ "; 1130, $\frac{9}{16}$ " x $\frac{5}{8}$ "; 1135, $\frac{11}{16}$ " x $\frac{3}{4}$ "; 1140, $\frac{13}{16}$ " x $\frac{7}{8}$ "; and 1145, $\frac{15}{16}$ " x 1". In No. 2405 leatherette roll.

No. 1100D—5-Wrench Set

No Duplication of Openings

This 5-piece box wrench set provides all openings from $\frac{7}{16}$ " to 1" inclusive, by 16ths, without duplication. Includes Nos. 1125, $\frac{7}{16}$ " x $\frac{1}{2}$ "; 1130, $\frac{9}{16}$ " x $\frac{5}{8}$ "; 1135, $\frac{11}{16}$ " x $\frac{3}{4}$ "; 1140, $\frac{13}{16}$ " x $\frac{7}{8}$ "; and 1145, $\frac{15}{16}$ " x 1". In No. 2405 leatherette roll.

No. 1100F—Ford Wrench Set

These three box wrenches provide all openings from $\frac{7}{16}$ " to $\frac{1}{2}$ " inclusive, by 16ths, without duplication, which fit most of the nuts on Ford cars and trucks. Includes No. 1125, $\frac{7}{16}$ " x $\frac{1}{2}$ "; No. 1130, $\frac{9}{16}$ " x $\frac{5}{8}$ "; and 1135, $\frac{11}{16}$ " x $\frac{3}{4}$ ". In No. 2405 roll.

No. 1100H—18-Wrench Set

A full set of wrenches, including Nos. 1120-22-25-26-30-31-34-35-36-40-45-47-50-51-60-62-63-64. 18 wrenches in No. 2412 leatherette roll.

No. 1100E—12-Wrench Set

Includes Nos. 1120, $\frac{5}{16}$ " x $\frac{3}{8}$ "; 1125, $\frac{7}{16}$ " x $\frac{1}{2}$ "; 1126, $\frac{1}{2}$ " x $\frac{9}{16}$ "; 1130, $\frac{9}{16}$ " x $\frac{5}{8}$ "; 1131, $\frac{5}{8}$ " x $\frac{3}{4}$ "; 1135, $\frac{11}{16}$ " x $\frac{3}{4}$ "; 1140, $\frac{13}{16}$ " x $\frac{7}{8}$ "; 1145, $\frac{15}{16}$ " x 1"; 1147, $\frac{15}{16}$ " x $1\frac{1}{16}$ "; 1150, $\frac{15}{16}$ " x $1\frac{1}{8}$ "; 1160, $1\frac{1}{4}$ " x $1\frac{1}{8}$ "; and 1162, $1\frac{1}{2}$ " x $1\frac{1}{2}$ ". In No. 2406 leatherette roll.

No. 1100G—9-Wrench Set

No Duplication of Openings

This is a very handy all-around set, as it provides all sizes of openings, by 16ths of an inch, from $\frac{5}{16}$ " to $1\frac{1}{2}$ ", except for $1\frac{3}{16}$ " and $1\frac{5}{8}$ ". There are 18 different sizes, without duplication. Includes Nos. 1120, 1125, 1130, 1135, 1140, 1145, 1150, 1160 and 1162. In No. 2406 leatherette roll.

Open End Obstruction Wrench



45° x 90° Offset Openings, both openings same size.

Number	Openings	U.S.S. Nut Sizes
3128S	$\frac{7}{8}$ "	$\frac{1}{2}$ "
3134S	$1\frac{1}{16}$ "	$\frac{5}{8}$ "
3140S	$1\frac{1}{4}$ "	$\frac{3}{4}$ "
3146S	$1\frac{3}{8}$ "	$\frac{7}{8}$ "
3152S	$1\frac{1}{2}$ "	1"

Obstruction Box Wrenches



Particularly adapted to turning nuts where obstructions prevent easy access with straight wrenches. 1" clearance at middle. 12-point openings; full-polished finish.

S. A. E., U. S. and AMERICAN STANDARD SIZES ON PAGE 5

No.	12-point Openings	Overall Length
1725	$\frac{7}{16}$ " x $\frac{1}{2}$ "	5 $\frac{3}{4}$ "
1730	$\frac{9}{16}$ " x $\frac{5}{8}$ "	6 $\frac{1}{2}$ "

The table on two flange sizes shows the difference in diameter and thickness between the American Standard and USS sizes.

	Bolt Dia.	Nut Thickness
USS		
American Standard	$\frac{7}{8}$ "	$1\frac{1}{16}$ "
USS	$\frac{3}{4}$ "	1"
American Standard	$\frac{3}{4}$ "	$1\frac{1}{4}$ "
USS	$\frac{3}{4}$ "	$1\frac{1}{8}$ "
American Standard	$\frac{3}{4}$ "	$1\frac{1}{16}$ "

LEATHERETTE ROLLS, SEE PAGE 30

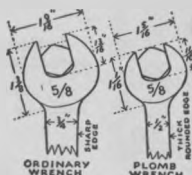
Extra-Long Wrenches



S. A. E., U. S. and AMERICAN STANDARD SIZES ON PAGE 5

No.	Openings	Thickness of Head	Overall Length
3038	$\frac{3}{4}$ " x $\frac{7}{8}$ "	$1\frac{1}{8}$ "	15"
3046	$1\frac{1}{8}$ " x $1\frac{1}{4}$ "	$1\frac{3}{8}$ "	16"
3048	1" x $1\frac{1}{4}$ "	$1\frac{3}{8}$ "	16"

Plumb 15° Open-End Wrenches



Cat. No. Semi-Fin.	Cat. No. Finished	U. S. S. Bolt Size	S. A. E. Bolt Size	Amer. Std. Bolt Size	Milled Openings	Overall Length	Head Thickness
	3018	1/8"		4-5&6	1/4" - 9/16"	3 1/2"	5/32"
	3020	1/8" - 7/16"		5&6-10	9/16" - 3/8"	4"	3/16"
	3021	3/16"	1/4"	10-12&1 1/4"	3/8" - 7/16"	5"	7/32"
	3025	1/4"	1/4" - 9/16"	12&1 1/4"	7/16" - 1/2"	5"	7/32"
	3026	1/4"	9/16" - 3/8"	9/16"	1/2" - 9/16"	5 1/2"	1/4"
	3027	1/4" - 3/16"	5/16"		1/2" - 1 1/16"	6 1/4"	9/32"
3030S	3030		3/8" - 7/16"	3/16" - 3/8"	9/16" - 5/8"	6 1/4"	9/32"
3031S	3031		7/16" - 1/2"	3/8" - 7/16"	5/8" - 3/4"	8"	5/16"
3032S	3032	5/16" - 7/16"			1 1/32" - 2 5/32"	8"	5/16"
	3034	3/8"	7/16"	3/8"	3/8" - 1 1/16"	8"	5/16"
	3035	3/8"	1/2"	7/16"	1 1/16" - 3/4"	8"	5/16"
3036S	3036	3/8" - 1/2"	9/16"	9/16"	1 1/16" - 7/8"	9 1/8"	11/32"
3037S	3037	3/8" - 7/16"			1 1/16" - 2 1/16"	8"	5/16"
	*3038	1/2"	1/2" - 9/16"	7/16" - 9/16"	3/4" - 7/8"	15"	13/32"
3039S	3039	1/2"	1/2" - 9/16"	7/16" - 9/16"	3/4" - 7/8"	9 1/8"	11/32"
3040S	3040	1/2"	9/16"	1 1/2" - 3/16"	13/16" - 7/8"	9 1/8"	11/32"
3041S	3041	1/2" - 9/8"	9/16" - 3/4"	9/16"	7/8" - 1 1/16"	11 3/4"	13/32"
3045S	3045		3/8" - 1 1/16"	3/8"	1 3/16" - 1"	10 3/8"	3/8"
	*3046	5/8"	5/8" - 3/4"	5/8"	1 1/16" - 1 1/16"	15 1/2"	15/32"
3047S	3047	5/8"	5/8" - 3/4"	3/8"	1 3/16" - 1 1/16"	11 3/4"	15/32"
	*3048		1 1/16"	3/4"	1" - 1 1/8"	16"	1/2"
	3050	3/8"	3/4"	3/4"	1 1/16" - 1 1/8"	11 3/4"	15/32"
3051S	3051	3/8" - 3/4"	3/4" - 5/8"		1 1/16" - 1 1/4"	12 3/8"	7/16"
	3055	3/4"	7/8"	7/8"	1 1/4" - 1 3/16"	15 1/2"	9/16"
	3060	7/8"	1"		1 3/8" - 1 3/16"	15 1/2"	9/16"
3061S	3061	3/4" - 7/8"	7/8" - 1"		1 1/4" - 1 3/16"	15 1/2"	9/16"

*Extra long.

Note: The 3000 series are full-polished wrenches. The 3000S series are finished with black handles and semi-polished heads. For prices refer to price section, pages 1 to 5.

Plomb Open-End Wrench Sets

No. 3000A-5-Wrench Set

No Duplication of Openings

These five wrenches provide the sizes of openings most used— $\frac{7}{16}$ ", $\frac{1}{2}$ ", $\frac{9}{16}$ ", $\frac{5}{8}$ ", $\frac{11}{16}$ ", $\frac{3}{4}$ ", $\frac{13}{16}$ ", $\frac{7}{8}$ ", $\frac{15}{16}$ " and 1". Nos. 3025, 3030, 3035, 3040 and 3045 in leatherette roll No. 2405.

No. 3000B-6-Wrench Set

No Duplication of Openings

Includes all openings, by 16ths, from $\frac{5}{16}$ " to 1", inclusive—Nos. 3020, 3025, 3030, 3035, 3040 and 3045 in No. 2405 leatherette roll.

No. 3000C-8-Wrench Set

Includes all openings, by 16ths, from $\frac{5}{16}$ " to $1\frac{1}{8}$ ", inclusive, with duplication of $\frac{3}{8}$ " and $\frac{3}{4}$ " openings on an additional wrench. A very complete set—Nos. 3020, 3025, 3030, 3031, 3035, 3040, 3045 and 3050 in No. 2406 leatherette roll.

No. 3000E-10-Wrench Set

The same as No. 3000D Sets, with addition of No. 3032, $\frac{19}{32}$ " and $\frac{25}{32}$ " openings. Includes Nos. 3020-25-26-30-31-32-35-40-45-50. In No. 2406 leatherette roll.

No. 3000D-9-Wrench Set

A very convenient arrangement of 15 different sizes of openings on 9 wrenches. Includes Nos. 3020, $\frac{3}{16}$ "- $\frac{3}{8}$ "; 3025, $\frac{7}{16}$ "- $\frac{1}{2}$ "; 3026, $\frac{1}{2}$ "- $\frac{9}{16}$ "; 3030, $\frac{9}{16}$ "- $\frac{5}{8}$ "; 3031, $\frac{5}{8}$ "- $\frac{3}{4}$ "; 3035, $\frac{11}{16}$ "- $\frac{3}{4}$ "; 3040, $\frac{13}{16}$ "- $\frac{3}{4}$ "; 3045, $\frac{7}{8}$ "-1", and 3050, $1\frac{1}{16}$ "- $1\frac{1}{8}$ ". In No. 2406 leatherette roll.

No. 3000F-15-Wrench Set Without Roll

Includes Nos. 3020-21-25-26-30-31-32-35-36-39-40-45-50-55-60. Wrenches only, not in leatherette roll.

No. 3000G—Same as No. 3000F, but in No. 2412 leatherette roll.

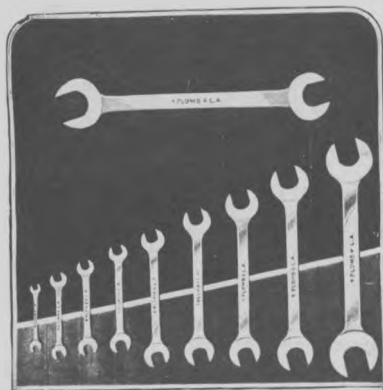
No. 3000H-19-Wrench Set

A complete set for use on S.A.E. and U. S. Standard bolts and nuts. Includes Nos. 3018-20-21-25-26-30-31-32-34-35-36-39-40-45-47-50-51-55-60. In No. 2412 leatherette roll.

No. 3000J-10-Piece Wrench Set

No Duplication of Openings

Provides every size opening by 16ths (except $1\frac{3}{16}$ "") from $\frac{5}{16}$ " to $1\frac{1}{8}$ ", with addition of $\frac{19}{32}$ " and $\frac{25}{32}$ ". There is no duplication of openings. Includes wrenches Nos. 3020-25-30-32-35-40-45-50-55-60, in No. 2406 leatherette roll.



Extra-Long Wrenches



Made especially for brake work and other jobs where extra leverage is needed.

S. A. E., U. S. and AMERICAN STANDARD SIZES ON PAGE 5

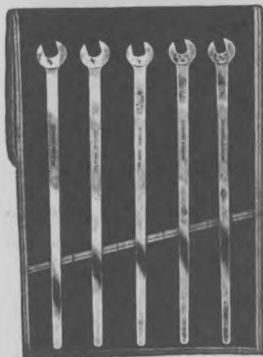
No.	Openings	Thickness of Head	Overall Length
3038	$\frac{3}{4}$ " x $\frac{7}{8}$ "	$\frac{11}{32}$ "	15"
3046	$\frac{15}{16}$ " x $1\frac{1}{16}$ "	$\frac{11}{32}$ "	16"
3048	1" x $1\frac{1}{8}$ "	$\frac{11}{32}$ "	16"

Tappet Wrench Sets

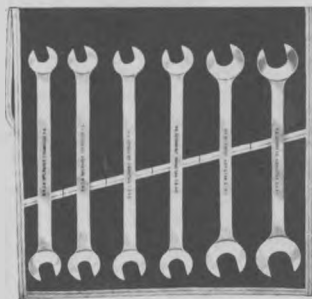
See Page 37

See Midget Wrenches on Page 51

Plumb Tappet Wrenches



No. 3400E SET



No. 3400C SET

Single End Sets

No. 3400E Set—5 Wrenches; one each Nos. 3412-14-16-18-20; in No. 2407 roll.

No. 3400F Set—10 Wrenches; two each Nos. 3412-14-16-18-20; in No. 2407 roll.

(Leatherette Rolls, Page 30)

Double End Sets

No. 3400A—4-PIECE TAPPET SET

Consists of Nos. 3425, 3426, 3430, and 3431, which takes care of the majority of tappets, providing six different openings. In No. 2408 roll.

No. 3400B—5-PIECE TAPPET SET

These five wrenches—Nos. 3425, 3426, 3430, 3431, 3435—provide seven different sizes of openings most used. In No. 2405 leatherette roll.

No. 3400C—6-PIECE TAPPET SET

This is the complete set, which takes care of tappet adjustments on all cars, including $\frac{11}{16}$ " size for older models. In No. 2405 roll.

No. 3400D—4-PIECE TAPPET SET

Consists of Nos. 3425, 3426, 3430 and 3435, a general purpose set which some prefer to No. 3400A. In No. 2408 roll.

15° Single End Wrenches



These extra-long 15° tappet wrenches are a necessity on many new cars, especially when adjustments must be made under fenders. Very thin and light, but exceptionally strong.

SEE S. A. E., U. S. AND AMERICAN STANDARD SIZES ON PAGE 5

No.	Openings	Overall Length	Head Thickness
3412	$\frac{3}{16}$ "	12 $\frac{3}{4}$ "	$\frac{3}{16}$ "
3414	$\frac{7}{16}$ "	12 $\frac{3}{4}$ "	$\frac{3}{16}$ "
3416	$\frac{1}{2}$ "	12 $\frac{3}{4}$ "	$\frac{3}{16}$ "
3418	$\frac{9}{16}$ "	12 $\frac{3}{4}$ "	$\frac{3}{16}$ "
3420	$\frac{5}{8}$ "	12 $\frac{3}{4}$ "	$\frac{3}{16}$ "

15° Double-End Wrenches



Note arrangement of openings—just right for easy working, yet six wrenches are equal to much larger sets of other makes.

SEE S. A. E., U. S. AND AMERICAN STANDARD SIZES ON PAGE 5

No.	Openings	Overall Length	Head Thickness
3425	$\frac{1}{16}$ " - $\frac{1}{2}$ "	9"	$\frac{11}{16}$ "
3426	$\frac{1}{8}$ " - $\frac{1}{4}$ "	9"	$\frac{11}{16}$ "
3430	$\frac{3}{16}$ " - $\frac{1}{2}$ "	9"	$\frac{5}{16}$ "
3431	$\frac{1}{2}$ " - $\frac{3}{4}$ "	9"	$\frac{5}{16}$ "
3435	$\frac{11}{16}$ " - $\frac{1}{2}$ "	9"	$\frac{1}{2}$ "
3440	$\frac{13}{16}$ " - $\frac{7}{8}$ "	9"	$\frac{1}{2}$ "

Two Screw Drivers for Overhead Tappets



No. 9652 Pyroxylin Handle

Blade $\frac{1}{4}$ " square, $1\frac{1}{2}$ " long, with $\frac{1}{16}$ " bit. Pyroxylin handle $1\frac{1}{2}$ " diameter. Very handy for turning screws in cramped quarters.



No. 9752 Wood Handle

Blade 2" long, with handle 4" long, $1\frac{1}{8}$ " diameter. $\frac{3}{16}$ " square shank, with $\frac{1}{16}$ " bit. Useful for overhead tappets and turning screws in close places.

Tappet Wrench Data

This table shows sizes of wrench openings needed. 2034, shown on page 39, with the proper size socket is recommended for valve-in-head motors.

Make of Car	Models	Sizes Needed	Make of Car	Models	Sizes Needed
Auburn	All 1934, '35, '36, 8-100 to '33 incl. 12-160	One each $\frac{1}{4}$ ", $\frac{9}{16}$ " Two $\frac{1}{2}$ " (1 box)	Nash	'28, '29 Stand. 6 '30 Sing. Ign. 6, '31 6 & Small 8; '32, '33 Stand. 6 and 8 All others '28, '29, '30, '31	Two $\frac{9}{16}$ ", One $\frac{5}{8}$ " One $\frac{9}{16}$ "
Austin	All since '31	One $\frac{1}{2}$ "	Oakland	1928-1929 1930-1931	One $\frac{1}{2}$ ", Two $\frac{9}{16}$ " One $\frac{1}{2}$ ", One $\frac{1}{2}$ "
Buick	All since '28	One $\frac{9}{16}$ "	Oldsmobile	'28 to '36 1937	One $\frac{1}{2}$ ", Two $\frac{9}{16}$ " Three $\frac{1}{2}$ "
Cadillac	All since '36 All '28 to '35	Self-adjusting One $\frac{9}{16}$ "	Overland & Whippet	All '27 to '29	Two $\frac{1}{2}$ ", One $\frac{9}{16}$ "
Chevrolet	All since '28	One $\frac{9}{16}$ "	Packard	All since '28	Two $\frac{9}{16}$ "
Chrysler	All since '34 Imperial 8 '37 C14, C16	Two $\frac{1}{2}$ " Two $\frac{1}{2}$ ", One $\frac{9}{16}$ " One $\frac{9}{16}$ ", One $\frac{1}{2}$ "	Peerless	All since '31	Two $\frac{1}{2}$ ", One $\frac{1}{16}$ "
Cord	'29 to '31 '36-'37	One $\frac{1}{2}$ ", One $\frac{9}{16}$ " One $\frac{1}{2}$ "	Pierce-Arrow	1931 1932 All since '33	Two $\frac{1}{2}$ ", One $\frac{1}{16}$ " Two $\frac{9}{16}$ ", One $\frac{1}{16}$ " Self-adjusting
De Soto	Early 1937 All others	One $\frac{1}{2}$ ", One $\frac{3}{8}$ " Three $\frac{1}{2}$ "	Plymouth	1928 to 1930 All since 1931	One $\frac{1}{2}$ ", Two $\frac{9}{16}$ " Three $\frac{1}{2}$ "
Dodge	All since '31	Two $\frac{1}{2}$ "	Pontiac	'28, '29 '30 to '34 '35 to '37	One $\frac{1}{2}$ ", Two $\frac{9}{16}$ " Two $\frac{1}{2}$ ", One $\frac{9}{16}$ " Three $\frac{9}{16}$ "
Erskine	1928-1929 1930	One each $\frac{1}{2}$ ", $\frac{1}{16}$ " Two $\frac{1}{4}$ ", One $\frac{1}{16}$ "	Reo	8-21 Mate and Wolverine All others	One $\frac{1}{2}$ ", Two $\frac{1}{16}$ " One $\frac{1}{2}$ ", One $\frac{9}{16}$ " One $\frac{1}{16}$ "
Essex and Terraplane	All since '28	Two $\frac{1}{2}$ "	Rockne	1932-1933	Two $\frac{1}{2}$ ", One $\frac{9}{16}$ "
Franklin	All since '28	One $\frac{9}{16}$ "	Roosevelt	'28 to '30	Two $\frac{9}{16}$ ", One $\frac{5}{8}$ "
Graham	All since '30 and '28, '29 Six	One $\frac{1}{2}$ ", Two $\frac{9}{16}$ "	Studebaker	'28 to '33 '34, '35 '36, '37	One $\frac{1}{2}$ ", One $\frac{1}{16}$ " Two $\frac{1}{2}$ ", One $\frac{1}{16}$ " One $\frac{1}{2}$ ", Two $\frac{9}{16}$ "
Gra-Paige	'28, '29 8's	Two $\frac{9}{16}$ ", One $\frac{1}{16}$ "	Terraplane	All	Two $\frac{1}{2}$ "
Hudson	All since '30 1928 to 1930	Two $\frac{1}{2}$ " Two $\frac{9}{16}$ "	Viking	1930 V8	Two $\frac{1}{2}$ "
Hupmobile	All Eights '28, '29, '30, '32 Six '31 Six '33 Six '34, '35 Six	Two $\frac{1}{2}$ " One $\frac{1}{2}$ ", Two $\frac{1}{4}$ " Two $\frac{1}{2}$ ", Two $\frac{1}{8}$ " One $\frac{1}{2}$ ", Two $\frac{5}{8}$ " Two $\frac{1}{2}$ "	Whippet	1927 to 1929	Two $\frac{1}{2}$ ", One $\frac{1}{16}$ "
Lafayette	1935-1936	Three $\frac{1}{16}$ "	Willys	All since '30	Two $\frac{1}{2}$ ", One $\frac{1}{16}$ "
La Salle	All since '28	One $\frac{9}{16}$ "			
Lincoln	All since '28	Two $\frac{1}{2}$ "			
Murmon	'28, '29 and Mod 16 '31 All others '30, '31	One $\frac{9}{16}$ " Two $\frac{9}{16}$ ", One $\frac{1}{2}$ "			

PLOMB BRINGS YOU SPEED, EASE AND ACCURACY

WHEN ADJUSTING OVERHEAD VALVES WITH THE NEW

No. 2034



FEATURES

1. Use Any Standard Socket
2. Allows Free Use of One Hand
3. Will Not Slip
4. For Private Owner as Well as Mechanic
5. A Tool of Maximum Strength
6. A Real Time Saving Device
7. Special Alloy Steel Blade

TRA SCREW DRIVER BLADE WITH
KNOB NO. 2034S .60 EA.

When using 2034 loosen lock nut first—
then operate driver for adjustment at
same time using Plomb Feeler Gauges
as shown on page 56.

IT'S A PLOMB TOOL



YESTERDAY

PATENTED



TODAY

No. 2056

Plomb Slide Hammer Puller



The advantage of a quick, sharp impact on most pulling jobs is well known. A good, solid hammer blow will break loose a tapered or pressed fit in less time than it takes to assemble a screw type puller.

The 2056 with its many different attachments is adapted to a multitude of inside and outside pulling jobs; inner bearing cups, frozen valves, oil seals, bearings, pulleys, axles, etc. The same sharp, direct blow is possible as if you were able to get inside the job and swing a hammer; better, because the full force of the blow is utilized and is accurately guided by the shaft.

Jaws



2056J— $3\frac{1}{2}$ " Reversible Jaw.

Pulling Range 0" to 3" Outside, $1\frac{1}{4}$ " to $3\frac{1}{4}$ " Inside.

2056L— $4\frac{1}{4}$ " inside jaw. Range, $3\frac{1}{4}$ " to 6".

4066 — $4\frac{1}{4}$ " outside jaw. Range, 3" to 4".

2056C--Cap Screw Cross Arm



Exceptionally fast for pulling timing gears having cap screw holes in hub. For any member not accessible to ordinary puller jaws, drill and tap two holes, attach 2056C and pull. Slotted to take $\frac{3}{8}$ " cap screws.



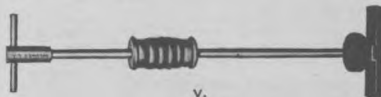
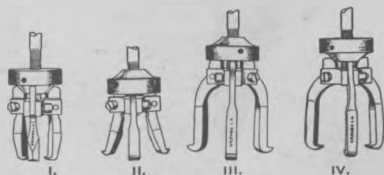
4071 3-Way

Yokes



4061 2-Way

PULLING COMBINATIONS POSSIBLE WITH SETS LISTED BELOW.

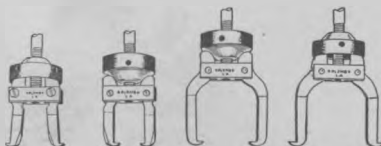


2056 —I and II.

2056A—IV.

2056B—I, II, and IV.

2056D—I, II, III, IV, and V.



2-jaw combinations possible with addition of 4061 2-way yoke.

PARTS SPECIFICATIONS

SETS

Part No.	Description	2056	2056A	2056B	2056D
2056R	24" T-Handled Rod with U.S.S. Nut	1	1	1	1
2056H	2 1/2 Lb. Sliding Hammer	1	1	1	1
2056N	Reversible Adjusting Nut	1	1	1	1
4061	2-Way Yoke	—	—	—	—
4071	3-Way Yoke	1	1	1	1
2056P	Knurled Pin	3	3	3	3
2056J	3 1/2" Reversible Jaw	3	—	3	3
2056L	4 1/2" Inside Jaw	—	—	—	3
4066	4 1/2" Outside Jaw	—	3	3	3
2056C	6" Cap Screw Cross Arm	—	—	—	1
2056K	4 Lb. Cushion Grip Hammer	—	—	—	—

WAREHOUSE STOCKS IN

NEW YORK • PITTSBURGH • CHICAGO
 KANSAS CITY • DALLAS • PORTLAND, ORE

No 2057-A Slide Hammer Hinge Pin Puller

A NEW RUNNING MATE FOR THE FAMOUS

PLOMB 2056



Patent Pending

FOR THE FIRST TIME

A puller that pulls all door hinge pins, regardless how tight or how restricted the working space. The Ford V8 60, standard 85 and 1938 Terraplane lower front hinges hold no terrors for 2057A—it pulls them all—and pulls them in **One Tenth** the time.

SPECIFICATIONS

Cat. No.	Description
2057	Puller Body
2057 G	1/4" Starting Punch
2057 L	5/16" " "
2057 M	1/4" Drift
2057 N	5/16" " "
2056 K	4# Slide Hammer
2056 R	19" Shaft with T Handle

2057-A

Puller complete, with 2056K, 2056R, 2057 Body, 2057 G, L, M, and N Punches.

2057-B

For the mechanic who has a Plomb 2056 Slide Hammer Puller. 2057 Body, 2057 G, L, M, and N Punches.



2057 G & L
Starting
Punches



2057 M & N
Drift
Punches



2057
Puller Body
Patent Pending

New Cushion-Grip Hammer



Patent Pending

No. 2056-K

Plomb again scoops the field with the cushion-grip hammer. Oversize for tough pulling jobs, it has a thick, resilient, shock absorbing rubber covering, ribbed for super grip and vulcanized to the steel core. A welcome addition to the 2056 Slide Hammer Puller. Weight, 4 pounds.

2056 K Cushion Grip Hammer



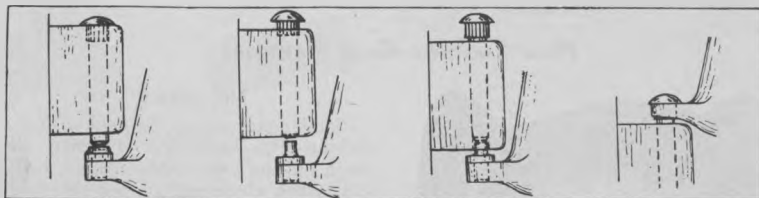
Photo above shows 2057A at work on one of the jobs to which a screw type puller says "Excuse me—that fender's too close"—and the 2057A says "Duck soup!"

For top hinges on older models simply reverse adaptor punches and turn tool around as shown at right. Puller is equally efficient in either position.



GONE IS THE GRIEF

... from the job of pulling stubborn hinge pins. No time wasted running a screw back and forth—no marking up hinge or body—no hinge screws to remove because a cumbersome screw type puller won't get in.



A

Shows pin in normal position, starting punch G or L ready to break it loose.

B

Shows bottom of pin flush with hinge, drift punch M or N in position to follow it up.

C

Drift Punch has raised pin sufficiently to admit claw.

D

Pin comes out with two or three light blows.



No. 4060
2-Way Puller



No. 4070
3-Way Puller

These two small pullers are designed to pull the little gears on timers, distributors, armatures, cam shafts, etc., quickly and easily. The narrow jaws get into very close places. Adjusting nut holds jaws firmly in position so they can't slip off. Any convenient wrench can be used on the 9/16" square head of screw. Finest quality throughout with hand-forged jaws and all parts carefully heat-treated.

No. 4060—Specifications

No.	Description	No. Needed		
4061	2½" Cross Arm	1		
4062	6" Screw	1		
4063	Knurled Adjusting Nut, 1¾" Diam.	1		
2056P	Pins for Cross Arm	2		
2056J	3½" Jaws, 0" to 1½" Range	2		
4066	4½" Jaws, 0" to 3" Range	2		

4060A—Puller Complete, with No. 2056J and No. 4066 Jaws.

4060B—Puller with No. 2056J 3½" Jaws only.

4060C—Puller with No. 4066 4½" Jaws only.

No. 4070—Specifications

4062	6" Screw, 9/16" sq. head	1		
4063	Adjusting Nut, 1½" diameter	1		
2056P	Pins for Yoke	3		
2056J	3½" Jaws	3		
4066	4½" Jaws	3		
4071	3-Way Yoke	1		

4070A—Puller Complete, with No. 2056J and No. 4066 3½" and 4½" Jaws.

4070B—Puller, with No. 2056J 3½" Jaws only.

4070C—Puller, with No. 4066 4½" Jaws only.

2056N—Adjusting Nut, for inside pulling with 3½" Jaws (see Page 40).

Small Gear Pullers

Fast and Easy to Use on the Little Pulling Jobs

The size and range of both 4060 and 4070 are the same. We've made No. 4060 for years and mechanics have found it very satisfactory for small pulling jobs of all kinds.

No. 4070 is the latest type. Three jaws center quickly, give an even, straight pull and the tool is one-third stronger.

Short jaws have range from 0" to 1½"; long jaws from 0" to 3". With No. 2056 N, nut used on Slide Hammer Puller (Page 46), short jaws can be reversed and used for inside pulling.

Plomb Gear Pullers

All Plomb Pullers are correct in design and are equipped with powerful hand-forged jaws to withstand the tremendous pull that can be applied with a screw. Jaws, screw and all other parts are carefully heat-treated. By constant improvement we have developed pullers that under actual breaking tests have proved they will out-pull and out-last any other pullers made today.

Designed for mechanics who are seeking the best and who know when they have found it.



Mechanics Say Plomb Pullers
are the Finest They Ever Used
See Pages 72 and 73



No. 4020A



No. 4020B

Excellent for generators, starting and armature gears, bearings, cones, ball races, etc. Thin hand-forged jaws have enormous strength. Jaws are easily and quickly adjusted.

No. 4020 Medium Size Gear Puller

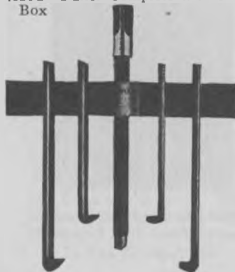
Specifications

Cat. No.	Part	Inside Lgth. Cross Arm to Hook	No. Needed		
4021	7" Cross Arm	-----	1		
4022	7" Screw	-----	1		
4025	4" Jaws	2"	2		
4026	6" Jaws	4"	2		
4028	5" Cap Screw Jaws	3"	2		
4029	Wooden Box	1 3/4" x 4 1/2" x 8 1/2"	1		

4020A—Puller with 4025 and 4026 Jaws, in 4029 Box.

4020B—4020A Set without Box.

4020C—Puller Complete with 3 Sets of Jaws, in 4029 Box

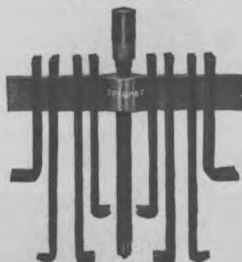


No. 4010A 4-Jaw Heavy Duty Gear Puller

Made up of one pair each Nos. 4015 and 4016 heavy duty jaws, with cross-arm and screws. Complete in No. 4019 Box.

See listing at right.

No. 4030—Heavy Duty Gear Puller



No. 4030B

A puller that handles the heaviest work. Pulls generator, starter and pinion gears, ball races, drive shaft bushings, wire wheels, etc.



Specifications

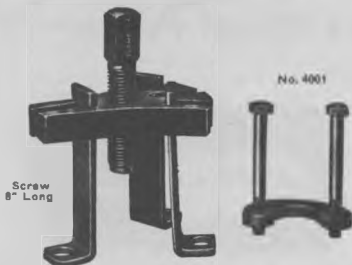
Cat.	Part	Inside Lgth. Cross Arm to Hook	No. Needed		
4011	11" Cross Arm	-----	1		
4012	11 1/4" Screw	-----	1		
4015	7 1/2" Jaws	4 3/4"	2		
4016	10" Jaws	7"	2		
4017	10" Timing Gear Jaws	7"	2		
4018	6" Cap Screw Jaws	3"	2		
4019	Wooden Box	2 1/4" x 8" x 12 3/4"	1		

4030A—Puller Complete in 4019 Box.

4030B—Puller Complete without Box.

4010A—Puller with 4015 and 4016 Jaws, in 4019 Box.

4010B—4010A Set without Box.



The Plomb Universal Wheel Puller makes other types of wheel pullers obsolete. For all cars, including Ford with adaptor shown above at right, and some trucks. With No. 4001JT jaws, listed below, pulls wheels of light trucks, such as Ford and Chevrolet.

Specifications

No.	Description	No. Needed	
4001B	4 7/8"x6 3/4" Alloy Steel Body.	1	
4001C	Ford Adaptor Cap Screws, 4 1/2" long	2	
4001J	6" Legs	3	
4001R	Adaptor Ring for Ford	1	
4001S	8" Puller Screw	1	

- 4001—Universal Wheel Puller Complete, with Ford Adaptor.
 4001A—No. 4001 Puller as listed, in No. 4001T Box (shown at right).
 4001JT—Legs with longer feet, for pulling wheels of Ford, Chevrolet, and other Light Trucks. 3 Legs in set.
 4001TR—Puller with No. 4001JT Legs, instead of 4001J, for wheels of light trucks (Ford Adaptor also included).

Plomb Universal Wheel Puller

Handles Practically All Wire and Disc Wheels with 3, 4, 5, 6 and 7 Studs

This is the simplest and fastest wheel puller made, and it is a particularly valuable tool because it pulls wheels of practically every car. In the past it has been necessary for the mechanic who does all-around work to invest in several wheel pullers in order to service all cars. Now these miscellaneous pullers are obsolete because the Plomb Universal Wheel Puller pulls them all. Legs shown are quickly adjustable to any drum with 3, 4, 5, 6 or 7 studs, in a circle up to 6 1/2" diameter. With No. 4001JT Legs, it is adaptable to any drum with studs in a circle up to 8". Regular legs are drilled to take up to 3/8" studs; 4001JT legs will take up to 3/4" studs.

This is a wheel puller of exceptional quality and strength. Made to withstand the hardest pulling without breaking or jaws bending. Unusually light, weighing only 8 lbs.

4001T—Metal Box for Wheel Puller

Box, illustrated below is made of heavy-gauge sheet steel and the No. 4001 Wheel Puller fits into it as shown, 1 1/4" deep, 8 3/4" wide, 8 3/4" long. Three compartments.

No. 4001A—No. 4001 Puller in 4001T Box.

No. 4001T—Metal Box Only.

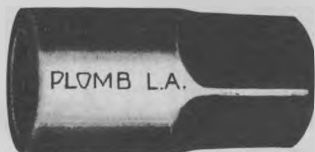


No. 4001A—Wheel Puller in Metal Box.

Knock-Off Type Wheel Pullers

Wheel and Axle Knock-off Data

Make of Car	Models	Knock-off No.
Auburn	1927 to '31, 6-66A, 76, 6-80, 6-85, 88, 8-90, 8-95	4420
	All other models	4425
Austin	All models	4416
Buick	'36 90, all Standard Series 1926 to 1930; 1930 to 1935 Series 50 and 60	4425
	All Master Series 1916 to 1930; 1930 to '35 Series 80 and 90	4430
Cadillac	1936 V8-60	4425
	All other models	4430
Chevrolet	1932 Late BA	4418
	1923 to '32 (Early BA)	4415
Chevrolet Truck	1931 to '35, Models LT, LS, M, N, O, P, Q (1½ Ton)	4435
	1925 to '31 Commercial and Early '32 BB (½ Ton)	4415
	1932 Late BB (½ Ton)	4418
	1930 Model LR (1½ Ton)	4430
Chrysler	1922 to '29 1 ton & 1½ ton	4425
	1926 to '37, Models 50, 52, C.J. CM, 66, C16; 1930-'31 8's, C06, CA, CB, C6, C7, C8, CZ8, C16	4415
	All other Models	4420
	All Models	4415
De Soto	All Models	4415
	1930 to '37 DD, DH, DL, DC, DG, DPF, DR, DS, DU, D2, D5	4415
Dodge	All other models	4420



Finest Quality Heat Treated Steel

These are without doubt the finest wheel "knock-outs" that can be purchased today. They are hand-forged and machined to the most exacting accuracy, given careful heat treatments to make them hard, tough and unbreakable. Each has breather hole, which prevents the forming of grease pads, so often causing stripped threads. When screwed up against end of axle shaft, they stand up under the hardest blows and will not injure threads of axle shaft. They last indefinitely and will never mushroom, break or split. Square heads and round bodies.

Finished like our finest tools, with body full-polished and no plating.



No.	Size	Threads to Inch
4410	5/8"	18
4415	3/4"	16
*4418	1 1/8"	16
4420	7/8"	14
4422	7/8"	16
4423	7/8"	18
4425	1"	14
4430	1 1/4"	12
4431	1 1/4"	7
4435	1 1/4"	12
4436	1 1/4"	7
4440	1 1/2"	12
4441	1 1/2"	6

*For '32 Chevrolet.

Sets

No. 4400A—Set of 4 Pullers, Nos. 4410-15-20-25.

No. 4400B—Set of 7 Pullers, Nos. 4410-15-20-25-30-35-36.

No. 4400C—Set of 10 Pullers, Nos. 4410-15-20-22-23-25-30-35-36-41.

No. 4400E—Set of 11 Pullers, all sizes listed except 4431 and 4440.

Continued on Next Page

Wheel and Axle Knock-off Data (Cont'd from Page 46)

Make of Car	Models	Knock-off No.	Make of Car	Models	Knock-off No.	Make of Car	Models	Knock-off No.
Dodge Truck	1929 to '37, ½ ton	4415	Hudson	1934 to '37 Univ. Puller recommended	4001	Pierce-Arrow	Since late '28	4425
	1924 to '30, ¾ ton; 1927 to '29, ½ ton	4430		1930 to '33	4423	Plymouth	1924—Early '28	4420
	1924 to '30, 1 ton-1½ ton	4425		1921 to '30	4420	Pontiac	1929 to '37	4415
	1923 to '30, 1½, 2, 2½ ton	4436	Hupmobile	1934-'35 Models 421J, 521J	4425		29 Big 6, Truck other models to '32	4420
Emox and Terraplane	1932 to '37, Univ. Puller Recommended	4001		All other models	4420	Reo	1926 to '29	4415
	1930 to '32	4423	Indiana Truck	1925 to '30 Models 11, 11X, 611, 60, 64, 74, 200, 300	4425	Reo Truck	All models	4425
	1924 to '29 six	4410		1925 to '30 Models 111, 111A, 111X, 400	4436		All ½ Ton, 1928 to '31 1 Ton	4425
Federal Truck	1924 to '33, 1½ ton	4440		1925 to '31 Models 15, 115, 615	4440	Republic-LaFrance Republic	1924 to '26, "F", 1927-'31 1½ ton	4430
	1929 to '30, 1 ton	4425	International Truck	1933 to '37, ½ ton, 1924-'28 Models	4420		All others	4435
	1928 to '30, 2 ton	4436		1925 to '34 Models M, 44SF, 44SD, 46SF, 46SD, 34SD, 36SD, A4, Late A5	4440	Rockne	1928 to '30: Fleetmaster, C1	4425
	1926 to '29, 1 ton F6, FX2, Scout, FW, 2FW, 2F6	4420		1925 to '32 Models SD, SL, SL34, SL36, SF34, SF36, 15A, 15B, S, SD, S24, S26, 6 Speed Spec, AW2, A1, A2, B2, AL3, ALF3	4435	Sterling Truck	1927 to '30: Models 50, 75, 76, 51, FA1, F1	4435
Ford	All models. We recommend 4001 Univ. Puller	4410		1926 to '31: ½ ton	4425		All models	4420
	1930 to '33, 1½ ton	4435	Lafayette	1935 to '37	4420	Studebaker	1930—1½ Ton	4435
	1928-'29, 1½ ton	4430		1934—Early '35	4425		1929—DB7—1½ Ton	4420
Ford Truck	1919 to '27, 1 ton	4420	La Salle	1934 to '37	4425		1924 to '27: GB1 Bus	4440
	1927 to '33—T-40, T-50, T42, T30, T44	4440		1927 to '33	4430	Studebaker Truck & Bus	All President Eights except '35 Model C, '33 8-82; 1920 to '27 Big Six, Spec. Six	4425
	1932-'33—1½ ton	4435	Mack Truck	1918 to '30 Models 8AC, AC, AP	4435		All other models	4420
G.M.C. Truck	1927 to '33—T20, T21, T11, T15, T17	4420		1932-'33 Models 1060, 1120, 1070, 1130	4425	Terraplane	1927 to '33 ½ and ¾ Ton	4420
	1927 to '31—T19, T25	4431	Nash	1926 to '29: Light Six, Standard Six	4415	White Truck and Bus	1925 to '29: 1 and 1½ Ton	4425
	1927-'28—T19	4425		All other models	4420		1928 to '32, 75 Jr., 76, 77, 88, S20, S30	4435
	1919 to '24—¾-1 ton	4430	Oldsmobile	1924 to '37	4425	Willya and Willys-Knight	See Essex	
Graham	1928 to '36: Models 610, 63, 612, 646, 54, 56, 6-74, 6-80	4420		1932 to '37	4420		1926 to '34 Models 56, 53 Bus, 65 Bus, 61, 210, 211, 212, 611, 612, 613	4440
	1928 to '36: Models 614, 619, 621, 629, 827, 835, 837, Cust. 8, 65, 67, 68, 73, 6-90, 6-110	4425	Packard	1923 to '32	4425	Yellow Cab	1924 to '29 Models 50A, 51	4435
	1928 to '35: Models 615, 645, 42, 822, 834, 820, 57, 69, 75	4430				Yellow Truck and Coach	1928-'30, 15B (Late) 57	4425
							1933 to '37, 77	4415
							1929 to '31 66B, 1923 to '29 20A, 64, 65, 67, 66, 66A	4425
							All other models	4420
							1923 to '28 A2	4420
							1925 to '28 T2, Knight	4420

No. 4040

Battery Terminal Puller

One of the handiest little tools ever developed. If you work on batteries, you'll never again need to tug and strain on corroded terminals. This puller slips quickly into place, the wing nut adjusts it in a jiffy, and the terminal is pulled with a few easy turns of the screw. It gets in where battery terminal pliers are awkward or impossible to use.

And this puller is far more economical than special pliers. First cost is less. When acid eats the jaws (as it inevitably eats any tool used on batteries), they can be replaced for a few cents each, whereas the pliers become worthless.

The No. 4040 is also handy for light pulling jobs within its capacity, which is up to $\frac{3}{4}$ " between ends of jaws and 1" space above the ends. All parts are cadmium-plated, a finish which fills the pores of the metal and is acid-resistant.



SPECIFICATIONS

Cat. No.	Description	No. Needed		
4040A	Adjusting Cross Arm with Wing Nut	1		
4040J	$4\frac{1}{2}$ " Jaws	2		
4040S	$5\frac{1}{2}$ " Screw with Pin Handle	1		
4040U	Puller Body with 2 Cap Screws	1		

4040—Puller Complete with parts listed above.



Special Tools for Brake Mechanics
(See Page 52)



No. 2218 Special Battery Pliers

The finest quality pliers of this type it is possible to make. Milled teeth grip firmly and are carefully heat-treated to prevent flattening. Curved handles $6\frac{3}{4}$ " long from bolt give powerful leverage and 25° offset head is just right for turning terminal nuts in close places. Thin jaws are tapered on both sides to clear filler caps. Handles are deeply knurled and the tool is full-polished.

This is also an excellent plier for all-around use. To prevent corrosion from battery acid, keep head well greased or immersed in oil.

Plomb Stud Pullers

The Plomb Wedge-Type Stud Puller is one of the latest developments of our Research Department. It is a great improvement over the ordinary eccentric type stud puller.

This new wedge type works very simply, easily and efficiently. Slip it over the stud, push in wedge with fingers, and turn with a convenient handle. It jams tight instantly and the stud is turned quickly. To release, simply tap the end of wedge lightly. It releases at once, and will never freeze on stud.

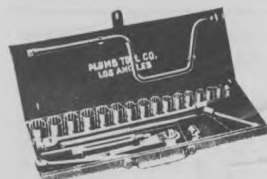
Also turns in a smaller circle and will work much closer to the dash or other obstructions. The No. 4520, for example, turns in a 2" circle.

Set-screw in side of stud puller prevents loss by keeping wedges in body when not in use.

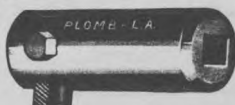
No. 4520 is 1 1/8" in diameter, 4" long, and has 1/2" square service connection.

No. 4532 is 2 1/2" in diameter, 5 1/2" long, and has 3/4" square service connection.

Both sizes are drilled full depth and will take the longest studs.



Socket Handles for Use With Plomb Stud Pullers are Described on Pages 13 and 16.



No. 4532



No. 4520

New Detachable Wedge Type

Latest development in stud pullers. No. 4520 for 1/4" to 3/8" studs; No. 4532 for studs from 3/8" to 1".

Standard Stud Puller 1/2" Square Drive

No.	Description
4520	Stud Puller Complete with 4521 and 4522 Wedges; Capacity, 1/4" to 3/8" Studs.....
4521	Thick Wedge, Capacity 1/4" to 3/8".....
4522	Thin Wedge, Capacity 1/4" to 3/8".....

Heavy Duty Stud Puller 3/4" Square Drive

4532	Heavy Duty Stud Puller, with 4533 and 4534 Wedges; Capacity 3/8" to 1" Studs.....
4533	Thick Wedge, Capacity 3/8" to 1".....
4534	Thin Wedge, Capacity 3/8" to 1".....

Eccentric Type Stud Pullers 1/2" Square Drive

One of the best of this type. Knurled nut jams on stud when turned. 1/2" square drive in end, or open-end wrench can be used on body.



No.	File Studs	Use Wrench	With Roller
4508	3/8" to 1/2"	1"	No. 4511
4510	1/2" to 3/4"	1 1/4"	No. 4511

Knurled Rollers for Eccentric Type Stud Pullers

No.	Size	Cap'y with 4508	Cap'y with 4510
4511	3/4" x 3/8"	1/2" to 3/8"	1/2" to 3/8"
4512	3/4" x 1"	1/2" to 3/8"	3/8" to 1/2"
4513	3/4" x 3/4"	1/2"	3/8"

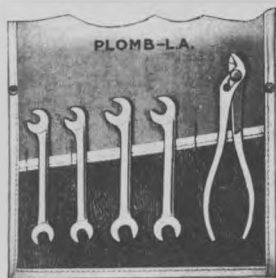
[illegible]

Call on us. We will work with you.

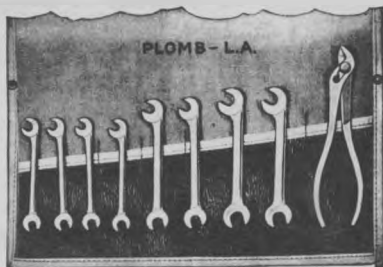
P83	US	1	US	300
P84	US	3	US	301
P101	US	4	US	301S
P105	US	7	US	303
P110	US	8	US	304
P111	US	12	US	1690
	US	16	US	1691
	US	23	US	1820
	US	24	US	1830
	US	45		
	US	121		

Page 50

Midget Wrenches



No. 3200B Set



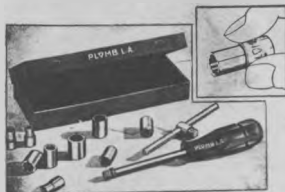
No. 3200D Set

These wrenches are individually FORGED from finest chrome molybdenum steel, not the cheap stampings often offered at low prices. Each wrench is carefully finished, individually heat-treated, and beautifully polished. The quality is guaranteed to be of the highest Plomb standard.

Two different size openings on each wrench, one at 15° angle and the other at 60°. Each size is present in the set of eight wrenches at both 15° and 60°, providing two different angles to reach and turn the most inaccessible nut.

These little wrenches are ideal for ignition, carburetor, radio, refrigerator and all small work, especially in combination with Midget Socket Set, described on Page 7.

The No. 2039 small adjustable pliers round out the set, providing a means of holding and turning small bolts and nuts.



**For Midget Socket Sets
See Page 7**

Midget Open-End Wrenches

SEE S. A. E., U. S. AND AMERICAN STANDARD SIZES ON PAGE 8

No.	System Used for	15° Opening	60° Opening	Head Thickness	Overall Length
3210	Auto-Lite	1 7/16"	1 1/2"	3/16"	3"
3211	Bosch	1 9/16"	1 3/4"	3/16"	3"
3215	Delco	7/32"	1/4"	3/32"	3"
3216	Remy	1/4"	7/32"	3/32"	3"
3220	Eisemann	9/32"	9/16"	1/8"	3 1/4"
3221	Remy	9/32"	9/16"	1/8"	3 1/4"
3225	German Bosch	9/16"	3/4"	3/16"	3 3/4"
3226	General Use	3/8"	1 1/32"	9/64"	3 3/4"

[Leatherette Rolls, page 30]

No. 2039--Ignition Pliers

A marvelous little tool. Three slip joints give solid grip of parallel jaws on any diameter from 1/8" to 1/2"—just right for turning and holding small nuts. The offset jaw gives exceptional leverage for such a small tool. 5" long; milled teeth on both jaws.

Midget Wrench and Socket Sets

No. 3200A—Wrenches Nos. 3210, 3215, 3220 and 3225. In No. 2411 Roll.

No. 3200B—Same as 3200A, with addition of No. 2039 Pliers. In No. 2411 Roll.

No. 3200C—All Midget open-end wrenches listed above, in No. 2410 Roll.

No. 3200D—Complete set of 8 wrenches listed, with No. 2039 Pliers, in No. 2410 Roll.

No. 4700B—Combination of Midget Socket Set No. 4700A (See Page 7) and Midget open-end wrench set No. 3200A, without Roll.

No. 4700C—Same as 4700B, with addition of No. 2039 Pliers. In No. 4795 Box.

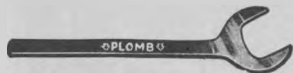
No. 4700D—No. 4700A (See Page 7) Set, combined with No. 3200C Set, without Roll. In No. 4795 Box.

No. 4700E—Same as 4700D, with addition of 2039 Pliers. Complete in No. 4795 Box.

No. 4700G—Includes 4700F Set and 3200D Set of eight Ignition Wrenches and No. 2039 Pliers in No. 4795 Box.

Water Pump Tools

30° Water Pump Wrenches



Hand-forged from finest steel; head at proper angle to clear generators, manifolds, etc., which usually obstruct packing nuts. Full polished finish.

No. 2040—Adjustable Water Pump Pliers



Five positions give solid grip on diameters from 0" to 2 1/4". Thin and light. Length, 9 1/2".

No. 2040B—Extra Bolt and Nut.

Special Water Pump Spanners



No. 6514—Turns water pump packing nut of Models A and B Fords, Chryslers previous to 1930, also on Reos and Terraplanes.

No. 6540—A new spanner that is necessary for the water pump assembly of the 1937 V8-60.

S. A. E., U. S. AND AMERICAN STANDARD SIZES ON PAGE 4

No.	Millid Opening	Overall Length
3632	1"	6 1/2"
3638	1 1/8"	6 13/16"
3640	1 1/4"	7 1/8"
3642	1 1/2"	7 1/2"
3644	1 3/8"	7 5/8"
3646	1 7/8"	7 9/16"
3648	1 1/2"	7 11/16"
*6501	1 3/4"	8 3/4"

*See description on Page 58.

Special Brake Tools

This set meets the need for modern brake service equipment. Each wrench is needed, and you'll seldom need any tool not found in the set. May be purchased as a set in leatherette roll, or tools bought separately.

No. Description

36 —3/4" Offset Screw Driver, 4 3/4" long. The right size to handle all brake work where an offset screw driver is needed to get into confined places. 3/8" stock, 3/8" wide bits at right angles to each other. Hand forged.

1147—1 5/16"x1-1/16" 15" Box Wrench, 16" long.

2006—Star Nut Adjusting Wrench for 2-shoe Bendix brakes. Scientifically designed to clear obstructions and locate and adjust star nut.

2010—7/16"x1/4" Open End Wrench, for eccentric screws on Bendix brakes.

2011—7/16"x3/8" Open End Wrench, for eccentric screws on Bendix brakes.

2015—Brake Spring Pliers. Improved design for quick, easy removal and replacement of internal brake springs. 12 3/4" long. Natural blue finish.

3025—7/16"x1/2" Open End Wrench, 5" long.

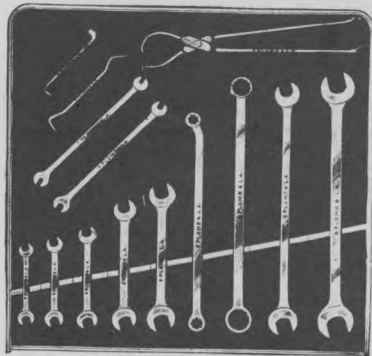
3026—1/2"x9/16" Open End Wrench, 5 1/2" long.

3030—9/16"x7/8" Open End Wrench, 6 1/4" long.

3035—1 1/16"x3/4" Open End Wrench, 8" long.

3038—3/4"x7/8" Special Open End Wrench, 15" long.

3040—1 3/16"x7/8" Open End Wrench, 9 1/8" long.



No. 2000B Set

3046—1 1/16"x1 1/16" Special Open End Wrench. 15 1/2" long.

3048—1"x1 1/8" Special Open End Wrench, 16" long.

6502—Ford Brake Wrench. 7/16" 8-point opening for Models, A, B and V8; 1/2" 8-point opening for Ford Trucks. 7/16" end offset 30° for easier working around obstructions. 13" long.

2000A—Brake Tool Set, Tools only.

2000B—Brake Tool Set Complete in No. 2412 15-pocket leatherette roll.

PLUMB Screw Drivers



are forged from finest tungsten alloy steel, made to our own specifications. They are shaped and finished as painstakingly as the finest cutting tools. Special heat-treating makes the bit exceptionally hard and tough and the shank springy and strong. The square double heat-treated shank extends clear through handle to steel cap (except in electrical type). Cap is secured by riveted steel pin, which passes through cap, handle and shank. Steel ferrule is pressed on, and riveted steel pin, in larger sizes from 9608 to 9618, passes through ferrule, handle and shank.

Plumb screw drivers are world-famous for quality. Nothing has been overlooked to make them the finest tools of their kind. They are fully guaranteed against failure of any kind **WHEN USED AS SCREWDRIVERS**. Naturally, they may be broken if used as pry bars or cold chisels, and will not be replaced if their condition indicates use for such purposes.



Offset Screw Drivers

For drag link adjustments, brake work, and work in close places. Bits at right angles to each other.

- No. 35 $\frac{1}{4}$ — $\frac{1}{4}$ " Oct. Stock, 3" long.
No. 36 $\frac{1}{4}$ — $\frac{1}{4}$ " Oct. Stock, 4 $\frac{1}{2}$ " long.
No. 36 $\frac{1}{2}$ — $\frac{1}{2}$ " Oct. Stock, 5" long.
No. 36 $\frac{3}{4}$ — $\frac{3}{4}$ " Oct. Stock, 6" long.
No. 36 $\frac{1}{2}$ — $\frac{1}{2}$ " Oct. Stock, 7" long.



World's Finest Screw Drivers Forged from Tungsten Alloy Steel

No.	Overall Length	Blade Length	Shank Size	Bit Width
General Purpose Type—Blade Through Handle				
9701	4 $\frac{1}{4}$ "	1 $\frac{1}{2}$ "	$\frac{3}{16}$ "	$\frac{7}{32}$ "
9702	6 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	$\frac{5}{16}$ "	$\frac{7}{32}$ "
9704	9"	4"	$\frac{3}{4}$ "	$\frac{7}{32}$ "
9706	12"	6"	$\frac{5}{16}$ "	$\frac{1}{16}$ "
9708	14 $\frac{1}{8}$ "	8"	$\frac{3}{8}$ "	$\frac{7}{16}$ "
9710	16 $\frac{1}{2}$ "	10"	$\frac{3}{8}$ "	$\frac{7}{16}$ "
9712	18 $\frac{1}{2}$ "	12"	$\frac{3}{8}$ "	$\frac{7}{16}$ "
9714	22 $\frac{3}{4}$ "	14"	$\frac{7}{16}$ "	$\frac{9}{16}$ "
9718	26 $\frac{3}{4}$ "	18"	$\frac{7}{16}$ "	$\frac{9}{16}$ "
Electrical Type				
9722	5 $\frac{3}{4}$ "	2 $\frac{1}{2}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "
9724	7 $\frac{3}{4}$ "	4 $\frac{1}{2}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "
9732	8 $\frac{3}{4}$ "	4"	$\frac{3}{16}$ "	$\frac{7}{32}$ "
9733	12 $\frac{3}{4}$ "	7 $\frac{1}{2}$ "	$\frac{3}{16}$ "	$\frac{7}{32}$ "
Cabinet Type—Long Slim Blade Through Handle				
9741	13"	9"	$\frac{3}{16}$ "	$\frac{7}{32}$ "
9742	14 $\frac{1}{2}$ "	9 $\frac{1}{2}$ "	$\frac{3}{16}$ "	$\frac{7}{32}$ "
9743	16"	10"	$\frac{3}{16}$ "	$\frac{1}{16}$ "

9700A—Popular Set, consisting of 9701, 9702, 9704, 9706, 9708, 9710 and 9741, 7 Screwdrivers.

9700B—Set of 14 screwdrivers, including all listed above except Nos. 9722 and 9724.



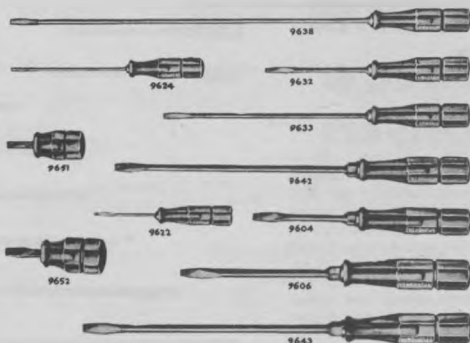
No. 100—Key Ring Screw Driver

Hand-forged, individually heat-treated, 2 $\frac{1}{4}$ " long.



No. 9752—Overhead Tappet Screw Driver

A short, powerful screw driver that is especially useful for adjusting overhead tappets. Overall length, 6"; 5 $\frac{1}{16}$ " square blade 1 $\frac{1}{2}$ " long with bit 11/32" wide. Blade through handle to steel cap.



PLOMB

Pyroxylin-Handle Screw Drivers

Supreme Quality of this Type

A superior line of screw drivers with insulated handles. Plomb Pyroxylin screw drivers were developed after long research and experimentation. They are the finest tools of their type possible to produce.

Compare Plomb Pyroxylin screw drivers with others on the basis of the following points:

(1) Handles genuine Pyroxylin, perfect non-conductor of electricity. (2) This material is densest, toughest known. (3) Shank is forged of finest tungsten alloy steel, scientifically heat-treated to make bit hard and tough and shank springy and strong. (4) The ferrule of these screwdrivers is an integral part of shank, reinforcing shank at handle and positively preventing it from driving into handle. (5) Larger sizes have hexagon ferrule on which a wrench may be used if desired. (6) Flat-forged tang forced into handle under enormous pressure makes it impossible for handle to turn on tang. (7) Octagon handle, rounded on top, gives firmer, more comfortable grip. (8) Full-polished shank is round—comfortable on hands and easy to spin.

No. 9651 Short Screw Driver

A new screw driver, especially designed to clear fenders and turn headlamp adjusting screw on new cars. Blade 1" long, $\frac{5}{16}$ " bit; $2\frac{1}{8}$ " overall length.

No.	Length Blade	Overall Length	Diam. Shank	Width Bit
9604	4"	8 $\frac{1}{2}$ "	$\frac{1}{4}$ "	$\frac{1}{16}$ "
9606	6"	10 $\frac{1}{2}$ "	$\frac{5}{16}$ "	$\frac{9}{16}$ "
*9608	8"	13"	$\frac{1}{2}$ "	1 $\frac{1}{2}$ "
9622	2 $\frac{1}{2}$ "	5"	$\frac{1}{8}$ "	$\frac{1}{8}$ "
9624	4 $\frac{1}{4}$ "	7 $\frac{1}{4}$ "	$\frac{1}{8}$ "	$\frac{1}{8}$ "
9632	4"	7 $\frac{1}{2}$ "	$\frac{1}{16}$ "	$\frac{1}{16}$ "
9633	7 $\frac{1}{2}$ "	11"	$\frac{1}{16}$ "	$\frac{1}{16}$ "
9638	13 $\frac{1}{2}$ "	17"	$\frac{1}{16}$ "	$\frac{1}{16}$ "
9642	9"	12 $\frac{1}{2}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "
9643	10"	14 $\frac{1}{2}$ "	$\frac{1}{8}$ "	$\frac{1}{8}$ "
9651	1"	2 $\frac{1}{8}$ "	$\frac{1}{16}$ "	$\frac{1}{16}$ "
9652	1 $\frac{1}{2}$ "	3 $\frac{3}{4}$ "	$\frac{1}{4}$ "	$\frac{9}{16}$ "

*Not illustrated.

No. 9600A—Popular set, 9604-9606-9624-9633-9643—5 screw drivers.

No. 9600B—Very complete set, Nos. 9604-06-22-24-32-33-42-43—8 screw drivers.

No. 9652 Short Screw Driver



1 $\frac{1}{2}$ " blade, $\frac{9}{32}$ " bit, 3 $\frac{3}{4}$ " overall length. Handy in close places and for overhead tappings.

WAREHOUSE STOCKS IN

NEW YORK • PITTSBURGH • CHICAGO
KANSAS CITY • DALLAS • PORTLAND, ORE

PLOMB

PHILLIPS

TYPE

SCREW

DRIVERS



9682



9684



9686



9688

4 Screw Drivers

Handle All Phillips Screws

The four sizes of Plomb Phillips screw drivers illustrated above drive the entire range of screw and bolt sizes. With slotted screws, at least seven or eight drivers are required.

Cat. No.	Phillips No.	Diam. Stock	Blade Length	Overall Length	
9682	1-A	$\frac{9}{64}$ "	3"	5 $\frac{3}{4}$ "	
9684	2-A	$\frac{1}{8}$ "	4"	7 $\frac{3}{4}$ "	
9686	3-A	$\frac{5}{16}$ "	6"	10 $\frac{1}{2}$ "	
9688	4-A	$\frac{3}{8}$ "	8"	13"	

9680A Set—Four Screw Drivers as listed.

Plomb Screw Drivers in Relation to Phillips Screw and Bolt Sizes

	9682	9684	9686	9688
Wood Screws				
Flat & Oval Hd	#4 & smaller	#5 to #9, incl.	#10 to #16, incl.	#18 & Larger
Round Head	#4 & smaller	#5 to #10, incl.	#11 to #16, incl.	#18 & Larger
Mach. Screws				
Flat, Oval and Fillister Head	#4 & smaller	#5 to #16, incl.	#12 to $\frac{1}{8}$ ", incl.	$\frac{1}{8}$ " & Larger
Round Head	#5 & smaller	#8 to #10, incl.	#12 to $\frac{1}{8}$ ", incl.	$\frac{1}{8}$ " & Larger
Stove Bolts				
Flat, Oval and Fillister Head		$\frac{1}{8}$ " to $\frac{3}{8}$ ", incl.	$\frac{1}{4}$ " and $\frac{3}{8}$ "	$\frac{3}{8}$ " and $\frac{1}{2}$ "
Round Head	$\frac{1}{8}$ "	$\frac{1}{8}$ " and $\frac{3}{8}$ "	$\frac{1}{4}$ " and $\frac{3}{8}$ "	$\frac{3}{8}$ " and $\frac{1}{2}$ "
Case-Hardened Sheet Metal Screws				
Flat, Oval and Low Fillister Head	#4	#5 to #10, incl.	#12 to #14, incl.	
Round Head	#4 and #5	#6 to #12, incl.	#14	



Feeler Gauges

Accurately Ground, Correctly Heat Treated

Plumb Feeler Gauges are the finest quality it is possible to produce. An exceptionally fine grade of steel is used. Each blade is ground to absolute accuracy, fully polished, then heat-treated to give it the exceptional hardness required to make it re-

tain the correct thickness for a long period of constant use.

No pains have been spared to make these gauges absolutely the best, yet their cost is no higher than for blades of inferior quality.

Standard Thickness Gauges



No.	Blade Thickness	Width Blade	Length Blade
003	.003"	1/2"	3 1/4"
004	.004"	1/2"	3 1/4"
005	.005"	1/2"	3 1/4"
006	.006"	1/2"	3 1/4"
007	.007"	1/2"	3 1/4"
008	.008"	1/2"	3 1/4"
009	.009"	1/2"	3 1/4"
010	.010"	1/2"	3 1/4"
011	.011"	1/2"	3 1/4"
012	.012"	1/2"	3 1/4"
013	.013"	1/2"	3 1/4"
014	.014"	1/2"	3 1/4"
015	.015"	1/2"	3 1/4"
016	.016"	1/2"	3 1/4"
018	.018"	1/2"	3 1/4"
020	.020"	1/2"	3 1/4"
022	.022"	1/2"	3 1/4"
025	.025"	1/2"	3 1/4"
030	.030"	1/2"	3 1/4"
032	.032"	1/2"	3 1/4"
035	.035"	1/2"	3 1/4"
040	.040"	1/2"	3 1/4"

* For Studebaker.

1 For Chevrolet.

No. 000A—Set of the following 9 gauges, one each: Nos. 003, 004, 005, 006, 008, 010, 012, 015 and 018, in No. 000C Holder.

No. 000C—Holder only, without blades.

No. 000D—Ignition Gauge Set

(Blades not sold separately)



This set consists of 10 blades, 3/16" wide by 1 1/2" long, in Holder. Thicknesses as follows: .011", .012", .014", .018", .020", .022", .025", .028", .032", and .035". Complete in Holder.

Step-Cut Feeler Gauges



Each Blade has two different thicknesses, carefully ground and exactly true. A quality far superior to those usually offered to the trade; heat-treated to remain true after long use.

No.	Thicknesses	Width Blade	Length Blade
004/6	.004"—.006"	1/2"	3 1/4"
005/7	.005"—.007"	1/2"	3 1/4"
006/8	.006"—.008"	1/2"	3 1/4"
007/9	.007"—.009"	1/2"	3 1/4"
008/10	.008"—.010"	1/2"	3 1/4"
009/11	.009"—.011"	1/2"	3 1/4"
010/12	.010"—.012"	1/2"	3 1/4"
011/13	.011"—.013"	1/2"	3 1/4"

No. 000B—Set of 4 Step-Cut Gauges: Nos. 004/6, 006/8, 008/10, 010/12, with No. 000C Holder.

No. 000C—Holder only.

New 3/16" Step-Cut Ignition Gauges



Made especially for Ford V8, but also used on other cars. Blades are 3 1/2" long, 1/2" wide at holding end and 3/16" at gauge end. Accurately ground and carefully heat-treated to remain accurate in long use.

No. 012/14S—.012"—.014" Step-Cut.

No. 014/16S—.014"—.016" Step-Cut.

No. 000E—Brake Gauge Set

(Blades not sold separately)



Consists of 9 blades, 1 1/2" wide by 4" long, of the following thicknesses: .006", .008", .010", .012", .014", .016", .018", .020" and .025".

WAREHOUSE STOCKS IN

NEW YORK • PITTSBURGH • CHICAGO
 KANSAS CITY • DALLAS • PORTLAND ORE

Special Scrapers, Carbon Cleaners and Packing Hooks

Packing Hooks

No. 200—An exceptionally handy tool, hand-forged from finest alloy steel. Shank $\frac{1}{16}$ " square at middle. Heat-treated throughout, with points hardened so they remain sharp indefinitely. 90° hook on each end, one offset to left, the other to right. Polished blue finish. Length, 8".

No. 201—Engineer's Packing Hook. 10" long, $\frac{1}{4}$ " round stock.

No. 202—Shank $\frac{5}{16}$ " square at middle. 90° hook. Length, 8".

No. 202—Engineer's Packing Hook. $14\frac{1}{16}$ " long, $\frac{5}{16}$ " round stock.

Valve Guide Cleaners

No. 2035—A marvelous new valve guide cleaner that is adjustable, by simply turning nut, to all sizes of valve guides. Mechanics like it because it eliminates the necessity of buying many different sizes, is self-sharpening, and can be adjusted to give any scraping strength desired. Four spring steel blades are crimped to cut with forward edges only—they last a long time and cut clean and sharp until completely worn out. Length, 9 $\frac{3}{4}$ ".

Gasket Scrapers

No. 2036—Has many uses, such as scraping carbon, cutting wood, etc., but is made especially for cleanly removing shellacked gaskets from oil pans and flanges. Forged from special analysis steel, with hardened cutting edge. Shank extends clear through handle to steel cap, and riveted pin passes through cap, handle and shank. Blade $1\frac{7}{16}$ " wide; overall length, 11".

Flexible Carbon Scrapers

No. 2037—The 10 flexible blades of round spring steel conform to any surface, scraping clean in angles and on rounded surfaces. Sliding band regulates flexibility of edge. Finest steel, carefully heat-treated. 1" wide, 9" overall length.

1-Piece Ring Groove Cleaners

One-piece Ring Groove Cleaners—clean grooves in a jiffy. Made of finest quality steel, heat-treated to produce hard, long-wearing edges that cut hardest carbon and make grooves smooth and clean. Adjustable from $1\frac{3}{4}$ " to 4" in diameter. $\frac{3}{32}$ " size for Ford V8, Hudsons and Terraplanes.

No.	Cutting Width	Overall Length
2303	$\frac{3}{32}$ "	7 $\frac{3}{4}$ "
2304	$\frac{1}{8}$ "	7 $\frac{3}{4}$ "
2305	$\frac{5}{16}$ "	7 $\frac{3}{4}$ "
2306	$\frac{3}{16}$ "	7 $\frac{3}{4}$ "

Adjustable Ring Groove Cleaners

No. 2311—Cleans $\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{5}{16}$ " and $\frac{3}{16}$ " grooves with single tool. 4-way cutter is finest alloy steel, hardened and ground, and will hold edge for long time. Can be resharpened with file. Spring steel handle adaptable to any piston with grooves these sizes. Complete with cutter.

No. 2312—Extra Cutter.



No. 2020—Packing Hook



No. 2021—Packing Hook



No. 2022—Packing Hook



No. 2035—Valve Guide Cleaner



No. 2036—Gasket Scraper



No. 2037—Flexible Carbon Scraper



Nos. 2303, 2304, 2305, 2306—1-Piece Ring Groove Cleaners



No. 2311—Adjustable Ring Groove Cleaner

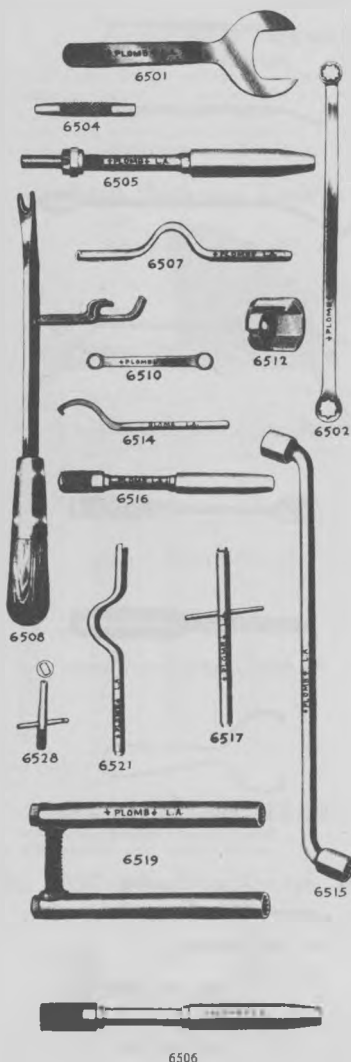
No. 2312—Extra Cutter

Special Ford Tools

Ford service work has been highly specialized. Service prices have always been exceptionally low and the need for special tools to speed up this work and put it on a profit basis has always been great. Plomb Tool Co. is a leader in designing and producing special Ford Tools.

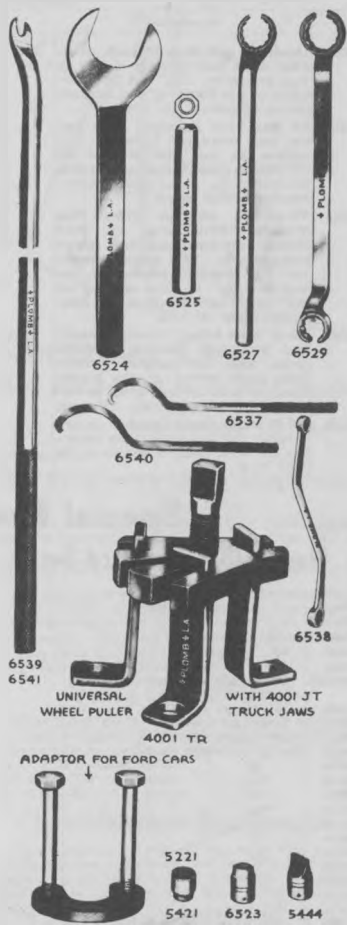
No.	Description
6501	Cam Gear Wrench. 1 $\frac{3}{4}$ " opening. Correct offset to tighten cam shaft gear nut on Models A and B. 8 $\frac{1}{4}$ " long. Also used for 1 $\frac{1}{4}$ " water pump packing nuts.
6502	Brake Wrench. Box wrench for all Ford brakes. $\frac{7}{16}$ " 8-point opening for Models A, B and V8. $\frac{1}{4}$ " 8-point opening for Ford trucks. 13 $\frac{1}{2}$ "
6504	Carburetor Jet Wrench. For installing and removing jets on Models A and B. $\frac{9}{32}$ " and $\frac{1}{16}$ " openings.
6505	Models A and B Wrist Pin Tool. Makes simple, easy job of inserting wrist pins by method of heating pistons to expand hole. See more complete description of method under 6516. 10 $\frac{1}{4}$ " long.
6506	Ford V8 60 Wrist Pin Tool. The correct tool for installing or removing wrist pins. Pilot is centerless ground to within .001" tolerance.
6507	Valve Guide Punch. For Models A and B. Knocks out split valve guides easily, quickly, saving labor and time.
6508	Valve Lifter. For Models A and B. Lifts valves quickly, efficiently, without removing carburetor. 16" length gives plenty of leverage.
6508R	Rest or fulcrum for 6508.
6510	Carburetor Jet Wrench. For Models A and B. $\frac{13}{32}$ " and $\frac{7}{16}$ " 12-point openings. Is also useful on V8 manual spark advance, for removing distributor assembly, etc.
6512	V8 Fan Belt Pulley Nut. Slips over fan pulley nut and is then turned with Ford crank, which fits in slot. When socket hits frame, it is taken off and nut removed by hand. To replace nut, start by hand, slip on socket, and tighten with crank 1 $\frac{3}{8}$ " opening.
6514	Water Pump Spanner. For Models A and B, and Chryslers previous to 1930; also Dodge trucks and Packard 120. Fits the soft nut perfectly. Length 6".
6515	Main Bearing and Connecting Rod Wrench. For all models. A socket wrench for turning main bearing and connecting rod nuts. $\frac{31}{32}$ " and 12-point openings. 16" length.

Continued on Next Page



Special Ford Tools (Cont.)

No.	Description
6516	V8 Wrist Pin Tool. Mechanics tell us that this is the finest tool ever made for this purpose . . . simple, fast and accurate. Pin is put on tool, pilot and pin inserted in heated piston, and knurled nut drawn up snug by turning with fingers. Pin is then driven into position with hammer or by striking tool on block. To remove pin, heat piston, reverse operation and drive on pilot end. Finest steel, hand-forged, the pilot ground true, brightly polished and carefully heat-treated so it will not wear under constant use. 6 3/4" long.
6517	V8 Carburetor Jet Wrench. Used on 1932 and 1933 models. One end for removing and adjusting main jet and the other for fuel pump valve. 8 1/2" overall length. Cross pin makes it easy to use.
6519	V8 Main Bearing Bolt Holder. 8-point "W" openings fit both main-bearing bolts at once, and when working with motor upside down the spring tension holds both tool and bolts in place, preventing them from dropping out after nuts and bearing cap are removed. When taking up on the bearings, this tool is necessary to hold bolts and prevent them from turning. 8 1/4" overall length.
6521	V8 Valve Guide Punch. Knocks out the split valve guides easily and quickly.
6523	V8 Con. Rod Nut Socket. This 9/16" hexagon thin-nose socket is absolutely essential when working on V8 con. rods. 1/2" square drive.
6524	V8 Pinion Bearing Adjusting Nut Wrench. 1 1/4" opening. Used in pairs for adjusting the driving pinion bearing lock nut. Hand-forged. 12 1/2" long; head 3/4" thick. Also useful for steering adjustment on Buicks, 1936 and later.
6525	Hub Bolt Punch. Makes it an easy job to upset shoulders on hub bolts and set them firmly in brake drum. For Ford Models A, B and V8. 3/8" octagon stock, 6" long.
6527	Headlight Wrench. 1 3/8" opening is offset and slotted to pass over wires. For '33 and '34 Fords and '34 Terraplanes. 12" long.
6528	Carburetor Jet Wrench. For all V8's, '34 and later. Turns easily with cross pin and knurled shank.



PLUMB TOOLS
HAND-FORGED

Continued on Next Page

Ford Tools Continued—See Illustrations on Page 59

No.	Description
6520	Headlight and Horn Wrench. Both ends offset and openings slotted to pass over wires. $1\frac{1}{8}$ " end for headlights of late Fords; $\frac{3}{4}$ " end for horn nut on all models. 12" long.
6537	V8 Gas Tank Spanner. This tool has been redesigned to remove and replace gas tank filler neck of the '37 V8's. A modern tool that services all models. $\frac{7}{16}$ " round stock, knurled handle; overall length, 9".
6538	V8 Shock Absorber Filler Plug Wrench. Filler plugs on Ford Shocks have been made both square and hexagon. This special wrench has $\frac{7}{16}$ " 8-point opening on one end and $\frac{7}{16}$ " 12-point opening on the other, and is offset to clear obstructions. 8" long.
6539	V8-85 Valve Lifter. Powerful, simple, and with long leverage to easily break loose the toughest guides. Push guide down to remove keeper, then pry with opposite block as fulcrum to force guide out. 30" long.
6540	V8-60 Water Pump Spanner. A new spanner that is necessary for servicing the water pump assembly of the 1937 V8-60.

No.	Description
6541	V8-60 Valve Lifter. Same as No. 6539 except 24 inches long.
5221	Con. Rod Nut Socket. $2\frac{1}{32}$ " 12-point opening; $\frac{3}{8}$ " square drive. Every Ford mechanic with a $\frac{3}{8}$ " square drive socket set needs this socket.
5481	Con. Rod Nut Socket. $2\frac{1}{32}$ " 12-point opening, with $\frac{1}{2}$ " square drive. For use with Standard $\frac{1}{2}$ " square drive handles.
5444	Drag Link Screw Driver. This size, with $\frac{3}{4}$ " blade width and $\frac{1}{2}$ " square drive, is the one used for Ford drag link adjustments.
4001TR	Universal Wheel Puller. Shown with No. 4001JT Legs and Ford Adaptor. No. 4001JT Special Legs pull hubs of Ford trucks (also Chevrolet and other light trucks). Adaptor, with body and screw, pulls hubs of all Ford passenger cars without removing wheels.

NOTE: No. 4001TR is complete for Ford service. Also see No. 4001, Universal Wheel Puller (with Ford Adaptor) on page 45.

Special Ford Socket Sets

No. 5400R Standard Set

$\frac{1}{2}$ " Square Drive

No.	Description
5461	5" Extension
5463	10" Extension
5466	9 $\frac{1}{4}$ " Hinge Handle
5466H	Pin Handle (fits both 5466 and 5468)
5468	18" Hinge Handle
5470	Universal Joint
5482	18" Speeder Handle
5414	$\frac{7}{16}$ " 12-Point Socket
5416	$\frac{3}{4}$ " " "
5418	$\frac{9}{16}$ " " "
5420	$\frac{5}{8}$ " " "
5421	$2\frac{1}{32}$ " " "
5422	$1\frac{1}{8}$ " " "
5424	$\frac{3}{4}$ " " "
5426	$1\frac{1}{8}$ " " "
5428	$\frac{7}{8}$ " " "
5430	$1\frac{1}{2}$ " " "
5432	1" " "
5434	$1\frac{1}{4}$ " " "
6523	$\frac{9}{16}$ " Con Rod Socket
5414S	$\frac{7}{16}$ " 8-Point Socket
5418S	$\frac{9}{16}$ " " "
5349	$1\frac{1}{8}$ " 12-Point Deep Socket
5353	$1\frac{1}{4}$ " " "
5475	$\frac{1}{2}$ " 12-Point Universal Socket
5476	$\frac{3}{4}$ " " "
5477	$\frac{5}{8}$ " " "

No. 5400Q—Ford Standard Socket Set, Complete as listed. Tools only.

No. 5400R—Ford Standard Socket Set as listed, in No. 5496 Box.

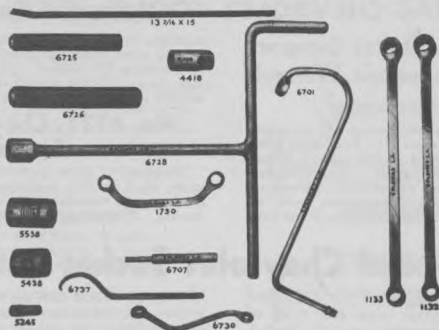
No. 5200H Cub Socket Set

$\frac{3}{8}$ " Square Drive

No.	Description
5251	Ratchet with Reversible Plug
5260	3 $\frac{1}{2}$ " Extension
5261	8" Extension
5270	Universal Joint
5280	18" Speeder Handle
	12-Point Sockets
5212	$\frac{3}{8}$ " Opening
5214	$\frac{7}{16}$ " " "
5216	$\frac{1}{2}$ " " "
5218	$\frac{9}{16}$ " " "
5220	$\frac{5}{8}$ " " "
5221	$2\frac{1}{32}$ " " "
5222	$1\frac{1}{8}$ " " "
5224	$\frac{3}{4}$ " " "
5246	Screwdriver Socket
	8-Point Sockets
5114	$\frac{7}{16}$ " Opening
5118	$\frac{9}{16}$ " " "
	12-Point Universal Sockets
5275	$\frac{1}{2}$ " Opening
5276	$\frac{9}{16}$ " " "
5277	$\frac{5}{8}$ " " "
5278	$1\frac{1}{8}$ " " "

No. 5200G—Ford Cub Socket Set Complete as listed, Tools only.

No. 5200H—Ford Cub Socket Set Complete as listed, in No. 5295 Box.



Special Tools for Chevrolet Cars

No. 30 7/16x15, Rivet Cutter for Chev. Motor Support Bolt Lock

Designed especially to open lock on right front motor support bolt of Chevrolets from 1933 to 1937, inclusive. Lock is difficult to reach as it is obstructed by timing gear case. This tool makes the job easy and can save its price on one job. Also useful for cutting small bolts and rivets in hard-to-reach places. 7/16" stock, 15" long.

Main Bearing Wrenches

These extra-long box wrenches with deep-lipped, thin-walled openings to fit recessed bearing nuts on Chevrolet, are ideal for working on the main bearings. They give powerful leverage and the 20° angle heads give ample clearance and a full swing.

No. 1132— $\frac{3}{4}$ " and $\frac{3}{4}$ " 12-point openings, for '29 to '32 models, and fits transmission nuts, head bolts, spring clips, etc. 15" long.

No. 1133—11/16" and $\frac{3}{4}$ " 12-point openings, for Models from 1933 to '36, inclusive. 15" long.

No. 1730—Starter & Manifold Wrench

This hand-forged box wrench, obstruction type, is crescent-shaped to easily reach and turn Chevrolet starter and manifold nuts, as well as other nuts of these sizes in hard-to-turn places. 9/16" and $\frac{3}{4}$ " 12-point openings. Full-polished finish.

No. 4418—'32 Wheel Knocker

This 13/16" size, with 16 threads to the inch, is necessary for the 1932 Chevrolet. Finest quality.

No. 5245—Oil Pan Screw Driver

$\frac{3}{4}$ " Square Drive

Makes a quick, easy job of Chevrolet oil pan work. Pilot fits over head of screw, holding screwdriver in position for fast spinning with Cub $\frac{3}{4}$ " square drive handles. Bit $\frac{1}{2}$ " wide, 1/16" thick; nose of pilot $\frac{3}{8}$ " diameter; over-all length, 17 $\frac{1}{2}$ ".

No. 5438—'32 Axle Nut Socket

$\frac{1}{2}$ " Square Drive

$1\frac{1}{16}$ " 12-point opening is a special size required for 1932 axle nut. This socket for use with $\frac{1}{2}$ " square drive handles.

No. 5538—'32 Axle Nut Socket

$\frac{3}{4}$ " Square Drive

This is the heavy-duty size of $1\frac{1}{16}$ " 12-point socket, which is essential for turning the 1932 Chev. axle nut.

No. 6701—Chev. Head Wrench

For head bolts on all Chevrolets. Especially useful on '37 models, which has head bolt obstructed by rocker arm shaft. It is turned easily with $\frac{3}{4}$ " 12-pt. box opening. Opposite end has $\frac{1}{4}$ " square drive for turning other head nuts with $\frac{3}{4}$ " socket. $\frac{9}{16}$ " stock, 13 $\frac{3}{4}$ " overall length.

Valve Guide Punch

Make valve guide removal and replacement easy. Carefully heat-treated to make hard and tough. Will remove tightest guides no matter how badly carbonized. Full-polished finish.

No. 6707—For $\frac{3}{16}$ " guides. 5" long.

No. 6708—For $\frac{1}{8}$ " guides. 7 $\frac{1}{4}$ " long.

Chevrolet Hub Bolt Punches

These punches, made of the same fine steel as Plumb punches and chisels, and carefully heat-treated, make a quick, easy job of upsetting the knurled shoulders of Chevrolet hub bolts on both wire and disc wheels.

No. 6725— $\frac{7}{16}$ " stock, 6" long, for passenger cars.

No. 6726— $1\frac{1}{8}$ " stock, 7" long, for Chev. Trucks.

No. 6728—Truck Rim Wrench

This special lug wrench is needed for servicing truck tires on late model Chevrolet trucks. Shank is 14" long from cross bar, giving plenty of clearance on dual wheels. $\frac{7}{8}$ " hexagon socket. Bend on end of cross bar gives comfortable grip and fast action.

Continued on Next Page

SPECIAL CHEVROLET TOOLS—(Continued)

No. 6730, Chev. Motor Support and Steering Eccentric Wrench

9/16"x5/8" 12-pt. Openings

A valuable 4-purpose tool with which the mechanic can perform the following work: (1) Turn right front motor support bolt, which is obstructed by timing gear case on Chevrolets from 1933 to 1937, inclusive. (2) Make steering eccentric adjustments, models up to and including 1936. (3) Turn starter bolts on models up to and including 1936. (4) Reach and turn

manifold bolts on all models. Correctly offset and bent to make these jobs easy. Saves time and money in servicing Chevrolets. Both 3/4" and 9/16" openings, because of the special offset, make this a handy wrench on all present day cars.

No. 6737, Chev. Gas Tank Spanner

Designed to work perfectly in the limited space under shelf in rear baggage compartment when removing and replacing gas tank filler neck on late models. 7/16" stock, knurled grip; overall length, 9 5/8"

Special Chevrolet Socket Sets

The Chevrolet mechanic needs a specialized socket set—there are certain sizes and types of sockets and handles that are constantly needed, while others may be excess baggage. Therefore,

it pays to buy a special set like those described below—the mechanic saves money and is better satisfied. Many mechanics, however, prefer to make up their own special sets.

No. 5200J—Chev. Cub Set 3/8" Square Drive

No.	Description
Attachments	
5251	Cub Ratchet
5260	3 1/2" Extension
5270	Universal Joint
5280	18" Speeder Handle
12-Point Sockets	
5214	7/16" Opening
5216	3/2" "
5218	9/16" "
5220	5/8" "
5222	11/16" "
5224	3/4" "
12-Point Universal Sockets	
5275	1/2" Opening
5276	9/16" "
5277	5/8" "
8-Point Sockets	
5114	7/16" Opening
5120	5/8" "
Special Item	
5245	Oil Pan Screw Driver

No. 5400V—Chev. Std. Set 1/2" Square Drive

No.	Description
5461	5" Extension
5463	10" Extension
5466	9 1/2" Hinge Handle
5466H	Pin Handle
5468	18" Hinge Handle
5470	Universal Joint
5482	18" Speeder Handle
12-Point Sockets	
5414	7/16" Opening
5416	" "
5418	9/16" "
5420	5/8" "
5422	11/16" "
5424	" "
5426	13/16" "
5430	15/16" "
5432	1" "
5434	1 1/16" "
12-Point Deep Sockets	
5341	5/8" Opening
5343	" "
5345	3/4" "
5351	1" "
12-Point Universal Sockets	
5475	3/4" Opening
5476	9/16" "
5477	5/8" "

No. 5200I—Chevrolet Cub Socket Set, Complete as Listed, Tools only.

No. 5200J—Chevrolet Cub Socket Set Complete, in No. 5295 Box.

No. 5400U—Chevrolet Standard Socket Set, as listed, tools only.

No. 5400V—Chevrolet Standard Socket Set, as listed, in No. 5496 Box.

Special Tools for Other Cars



No. 6601—Starter Wrench for Plymouth, Dodge, Chrysler, De Soto.

For late models of Chrysler-built cars. Turns the top starter bolt, which is badly obstructed. 3/4" 12-point opening.



No. 5244—Pontiac Oil Pan Screw Driver Socket, 3/8" Square Drive.

It's easy to remove and replace Pontiac oil pans with this socket. Pilot fits over head of screw, holding screwdriver in position.

Body and Fender Repair Tools

Here is a line of body and fender tools that is not only completely up-to-date and represents the best ideas of practical body and fender repairmen, but it is a line that is of finest quality obtainable.

No.	Description
Bumping Hammers	
1417	ROUGHING-OUT HAMMER. Weight, 2½ lbs. Dimensions: Clearance to end, 5½"; round cross pein 2" wide; crowned face 1½" by 1½".
1420	ALL-AROUND BUMPING HAMMER. Sturdily-built hammer, small but fairly heavy, weighing 9 oz. 1¼" round face, 1½" square face. 1½" clearance.
1421	LARGE FACE 15 OZ. DINGING HAMMER. A hammer for roughing the bad ones into shape for finishing. Head 6" long, 1¼" and 1½" round faces, slightly crowned.
1424	FINISHING HAMMER. Light weight, perfectly balanced. Round face, 1¼" diameter, slightly crowned; 1½" square face. Weight, ½ lb.
1425	FINISHING HAMMER. Heavier than 1424, weighing ¾ lb. Round face, slightly crowned, 1½" diameter; 1½" face.
1426	LONG-BODIED FINISHING HAMMER. Gets under high crowned fenders 1¾" round face, slightly crowned. 3¼" clearance. Rounded cross pein 1¾" wide on other end has 4" clearance. Weight, 1 lb.
1427	FINISHING HAMMER. Weighs ¾ lb., similar to 1424 except has wedge-shaped cross pein 1" wide, 2½" clearance, used for fender and panel beading. Round face 1¾" diameter, slightly crowned, 2" clearance.
1428	PECKING AND FINISHING HAMMER. Pointed end is used for picking out small dents, in many cases eliminating need of a dolly block. Round face can then be used for finishing the job. Head 5½" long overall. 1½" diameter slightly crowned round face.
1430	BRASS HAMMER. See page 71. Weight 1¾ lbs.

Fender Hammer Handles

No.	For Hammers No.	Length
1316H	1430	14"
1417H	1417	16"
1424H	1424, 1427	12"
1425H	1420, 1421, 1425, 1426, 1428	12"

No.	Description
Finest Dolly Blocks	
1452	EGG-SHAPED DOLLY. A general-purpose shape, with many different curves and angles. 1½" thick, 2½" wide, 3¾" long. Weight 2¾ lbs.

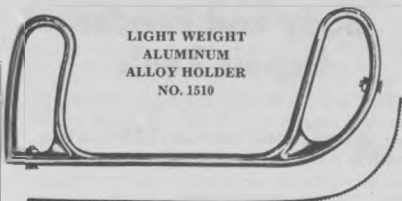


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Body and Fender Tools

(Continued from page 63)

No.	Description
1454	RADIUS DOLLY. A general design that has many radii. Bottom and one side flat, both ends high-crowned. $1\frac{1}{2}$ " thick, 2" wide, $4\frac{1}{16}$ " long. Weight, 2 lbs. 10 oz.
1455	NEW BEAD DOLLY. Use for beads or flanges on fenders. Start with wedge end and finish with curved top. Fits perfectly into fender flange. The flat side can be worked under long curve of fender. Thin edge useful for corners and beading. Comfortable hand grip. $4\frac{1}{4}$ " long, $2\frac{3}{4}$ " wide, $1\frac{1}{4}$ " thick at top.
1456	FENDER WELL DOLLY. One end long curve, other short curve. Long to give firm grip. $1\frac{1}{4}$ " thick, 2" wide, 5" long. Weight, 2 lbs.
FORGED SPOONS	
1471	SHORT SPOON. Useful under fender brackets, cowls, wheel housings, etc. High-crowned face $1\frac{1}{4}$ " wide, 2" long, 1" diameter shank $4\frac{1}{2}$ " long. Weight, $1\frac{1}{4}$ lbs.
1473	LONG, NARROW SPOON. Used for pushing out dents in panels. Face $1\frac{1}{4}$ " wide, 5" long, slightly crowned. $\frac{5}{8}$ " shank 6" long. Weight, 14 oz.
1474	LONG, BROAD SPOON. Slightly-crowned face $2\frac{1}{4}$ " wide, 7" long. Shank $\frac{3}{4}$ " diameter, 5" long. Weight, $1\frac{1}{4}$ lbs.
1475	SHORT, HEAVY SPOON. Gives powerful leverage under fender, brackets, corner braces, door hinge recesses, etc. Tapering face $1\frac{3}{4}$ " at widest point, slightly crowned, 5" long. 1" diameter shank 5" long. weight $1\frac{3}{4}$ lbs.
1476	SHORT, BROAD SPOON. Sharply curved at end; adapted where sharp radius and broad face are needed. Face 2" wide and 4" long around curve. Shank $\frac{3}{4}$ " diam., 5" long. Weight 1 lb.
FILES AND FILE HANDLES	
1501	*STRAIGHT FLEXIBLE VIXEN FILE. New, quick-cutting type with curved teeth. Finest quality you can buy. $1\frac{1}{8}$ " wide, 14" long.
1505	*SPECIAL CURVE FILE. Used for both pull and push stroke. Milled teeth are curved. $1\frac{1}{4}$ " wide, 14" long around curve.
1506	SPECIAL CURVE FILE HOLDER. Comfortable wood grips. $10\frac{3}{8}$ " long. Holder only.
1507	SPECIAL CURVE HANDLE WITH FILE. Includes No. 1506 Holder with No. 1505 file.
1508	ADJUSTABLE FILE HOLDER. Simple adjustment makes file either concave or convex, or can be used for straight filing. Wood grips shaped to fit hands. 16" long when flat. Holder only.
1509	HOLDER WITH FILE. Includes No. 1508 Holder with 1501 file.
*Files made by Vixen. Guaranteed by us only as specified by manufacturer.	


 File for above Holder
 1502


No. 2099 Tote Tray included in Sets

No. 1400D—Complete Body and Fender Repair Kit

A set that equips the mechanic masterfully. Files are included, as well as No. 2099 Tote Tray for carrying the tools.

Includes all items illustrated above.

No. 1400C—Low-Priced Set

Includes the following items: No. 2099 Tray, No. 1417 Roughing Hammer, No. 1424 Finishing Hammer, No. 1426 Long-Bodied Finishing Hammer, No. 1452 Egg Dolly, No. 1454 Radius Dolly, No. 1471 Spoon and No. 1474 Spoon.

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Body & Fender Tools

--Continued--

Modern in design and usefulness is this presentation of new items by Plumb for the body and fender repairman.

Cat.
No.

Hammers

- 1386 Blacksmith Hammer. Designed with long head for body, fender, and frame work. 3 pound.
- 1416 Long Head Bumping Hammer. Providing extreme clearance for late model fenders. Weight decreased by means of semi-I-beam neck. Head $9\frac{1}{2}$ " overall, $6\frac{1}{4}$ " clearance, weight 23 $\frac{1}{2}$ pounds.
- 1419 Magnetic Trim Hammer. A favorite design among body men and trimmers because of its long reach and head radii. Length of head $5\frac{1}{2}$ ", weight 7 ounces.
- 1422 Light weight Finishing Hammer. 1" round face and $1\frac{3}{4}$ " medium crown button pein. Ideal on dural, or for straightening any light metal.
- 1429 Turret Top Pecking Hammer. Eliminates a great deal of uncomfortable reaching with dolly and hammer. Handle 18" long, easily reaches to middle of turret top. Head 9" overall, weight 10 ounces.
- 1432 Straight & Cross Pein Hammer. A novel arrangement of genuine utility. For all concave surfaces as above doors, around cowl, fenders, etc. Head $6\frac{1}{2}$ " overall, weight 10 ounces.

Dollies

- 1453 Railroad or General Purpose Dolly. A large variety of radii are provided in this dolly, with perfect hand fit. Heavy weight for bumping out dents, thin beading edge and $7\frac{1}{2}$ " square inches of working area on the large face are responsible for its popularity. Weight 3 pounds.
- 1457 Shrinking Dolly. The unique shape, low crowned surface of this dolly gives it a general all-purpose use especially where shrinking of body metal is concerned. Excellent also for raising heads and moulding.
- 1458 Heel Dolly. Semi-elliptical. This dolly provides two flat and two crowned working surfaces. Especially useful in restricted places and can be used for shrinking metal.

Spoons

- 1472 Right Angle Spoon. Just the last word in modern design as it will apply in many instances where dollies will not work. Especially designed for turret tops and roof panels.

Chisels

- 1524 Glass Removing Chisel. A practical tool for removing broken glass from window and door channels.
- 1525 Ripping Chisel. Many straightening jobs make it necessary to rip or cut body metal not subject to repair. Designed with removable double edged cutting blade. The life of this chisel is indefinite, and new blades can be purchased at nominal cost.
- 1525B Extra blade for 1525.
- 1525S Slide Hammer Hinge Pin Puller complete. The fastest and most practical tool ever developed for the stubborn job of pulling hinge pins. (For detailed description, parts, see page number 41)
- 2057A



Plomb Improved Screw Extractors

Better than other types of extractors because they do not have so great a tendency to spread the hole, especially when extracting brass or copper screws, studs or fittings. Note the gradual taper, which gives a longer, firmer grip. The sharp edges of fins bite deep into the metal, turning the screw out on its own threads.

Each Plomb Extractor is hand-forged from special alloy steel. The reamer-like fins are carefully ground and polished and they are heat-treated so that they hold their edges indefinitely under the hardest service.

The first five sizes take care of practically all extracting jobs encountered in automotive and aviation work. The larger sizes are used in the plumbing and industrial trades.



1. Drill Hole 2. Drive in extractor 3. Turn out screw

No.	Size of Small End	Size of Shank	Overall Length	U.S.S. Screw Size	Drill Size	Min. Depth of Hole	Pipe Size
9521	1/8"	3/4"	2 1/4"	(1/8")	5/32"	9/16"	1/2"
9522	11/32"	3/4"	2 1/2"	(5/16")	3/16"	1/2"	1/2"
*9523	13/32"	1/2"	2 7/8"	(3/8")	1/4"	1 1/2"	1 1/2"
9524	1 1/8"	5/16"	3"	(1/2")	9/32"	1 1/2"	1 1/2"
9525	1 1/2"	3/8"	3 1/4"	(5/8")	13/32"	9/16"	5/8"

*For broken Alemite fittings.

No. 9500A—Nos. 9521 to 9525, inclusive, 5 extractors in wooden slide cover box.

The Plomb Universal Slide Hammer Puller

Handles the Tough Pulling Jobs With Speed and Precision Possible Only With the Slide Hammer.



For Pipe and Fittings

9526	1 1/2"	1 1/2"	4 1/2"	3/4"	1 1/2"	1 1/2"	1 1/2"
9527	1 7/8"	5/8"	5"	1"	1 1/8"	1 1/8"	1 1/8"
9528	2 1/8"	3/4"	5 1/2"	{ 1 1/4" 1 1/2" 1 3/4"	1 1/8"	7/8"	3/4"
9529	2 1/2"	1"	5 1/2"	1 1/2"	1 1/8"	1"	1"

No. 9500B—Set of 9 Extractors, as listed.

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Bearing Scrapers

Finest Steel, Carefully Heat-Treated



No. 9810—Slightly Curved Blade.



No. 9820—Offset Curved Blade



Back View of Blade.

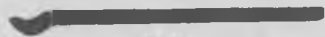
Note construction of these bearing scrapers. They are hand-forged with back of blade concave, heat-treated to make them hold their edges under hardest service. They are ground, sharpened and polished to give a perfect cutting edge, and will hold their edges indefinitely when used on babbit, bronze or cast bearings. Won't chatter.

No.	Description	Overall Length
9810	Blade $\frac{1}{2}$ " x $2\frac{3}{4}$ ", slightly curved	11"
9820	Blade $\frac{1}{2}$ " x $2\frac{3}{4}$ ", offset and curved	11"
9830	Blade $\frac{1}{2}$ " x 4", offset and curved	12"
9840	Blade $\frac{3}{8}$ " x 5", offset and curved	16 $\frac{3}{4}$ "

Oil Groovers for Bearings



No. 60



No. 61

Forged from finest special alloy steel and designed to cut even, uniform oil way grooves in bearings.

No.	Shape	Stock	Cut	Overall Length
60	Curved	$\frac{9}{16}$ "	$\frac{1}{8}$ "	6"
61	Offset	$\frac{9}{16}$ "	$\frac{1}{8}$ "	6"

Any Shop with a Lathe can Do Most Light

No. 2075.



Milling Jobs
with a

**PASCHALL
LATHE
ATTACHMENT**

Write for Details



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No. 2036--Gasket Scraper



Designed for cleanly removing shellacked gaskets from oil pans, flanges, etc., but it is also an excellent all-around scraper for carbon, paint, grease, etc., and can be used as a wood chisel. Finest steel, carefully heat-treated to hold its edge under hardest service. Blade $1\frac{1}{2}$ " wide; overall length 11". Shank extends through handle to steel cap, so it can be hammered without injuring handle.

No. 99--Tack Puller



For pulling tacks anywhere. Made of finest steel—gets under hardest-driven tacks. $\frac{1}{4}$ " sq. shank, $5\frac{3}{4}$ " overall length.

No. 2145--Gib Key Puller



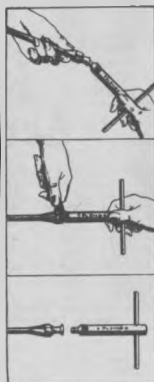
For pulling gib or shoulder head keys in heavy machinery. Wedge end starts key when head is close to hub, to make clearance to pull with rolling head.

Tube Flaring Tools



Easier to Use—Do a Better Job

Flare tubing in car. Simply rotate point in end to start flare, screw tubing nut tightly on tool and a perfect flare with correct taper is produced.



No.	For Tubing Size	Thread Size	Overall Length
9406	$\frac{3}{16}$ "	$\frac{3}{16}$ "-24	3"
9408	$\frac{1}{4}$ "	$\frac{1}{4}$ "-20	3 $\frac{7}{8}$ "
9410	$\frac{5}{16}$ "	$\frac{1}{2}$ "-20	3 $\frac{13}{32}$ "
9412	$\frac{3}{8}$ "	$\frac{3}{8}$ "-18	3 $\frac{19}{32}$ "

No. 9400A—Set of 4 Flaring Tools with Pin Handle, in Slide-Cover Wood Box.

Plumb Power and Assembly Tools

For Industrial Production and Assembly

Sockets, extensions and universal sockets listed on this sheet have been produced for use with power drives. The inherent properties of the special alloy steel and heat-treatments to which it is subjected give maximum resistance to the impact vibration and torsional strain of the power drive. Each tool is the latest and most modern design.

Sockets are broached extra deep to provide longer service. When worn at the end they can be ground down and again put into use. All openings and connections are fabricated to close tolerances. The ball-and-spring type of locking device, with drilled female connections, has proved its superiority over other types in speed, convenience and longer wear.

Cub Hexagon Sockets

3/8" Square Drive



Catalog No.	SIZE			Depth Punched	OUTSIDE DIA.		Overall Length
	Nominal	Minimum	Maximum		Hdle. End	Skt. End	
7212H	3/8"	.381"	.384"	7/16" - 1 1/2"		.560"	1 1/4"
7214H	7/16"	.446"	.450"	7/16" - 1 1/2"	1 1/8"	.650"	1 1/2"
7216H	1/2"	.509"	.512"	9/16" - 1 1/2"		.728"	1 3/4"
7218H	5/8"	.636"	.639"	1 1/8" - 1 1/2"		.812"	1 3/4"
7220H	3/4"	.700"	.704"	1 1/8" - 1 1/2"		.875"	1 3/4"
7222H	1 1/16"	.763"	.767"		1"	1.000"	1 3/4"
7224H	3/4"	.825"	.828"		1 1/8"	1.062"	1 3/4"

Cub Extra-Deep Hexagon Sockets

3/8" Square Drive



7014H	7/16"	.446"	.450"	3/4"	1 1/8"	.660"	2 1/4"
7016H	1/2"	.509"	.512"	3/4"	1 1/8"	.750"	2 1/4"
7018H	5/8"	.637"	.639"	3/4"	1 1/8"	.812"	2 1/4"
7020H	3/4"	.700"	.704"	3/4"	1 1/8"	.875"	2 1/4"

Cub Universal Hexagon Sockets and Universal Joints

3/8" Square Drive

Catalog No.	SIZE			Overall Length
	Nominal	Min.	Max.	
7274H	7/16"	.446"	.449"	1 3/16"
7275H	1/2"	.509"	.512"	1 1/8"
7276H	5/8"	.573"	.576"	2 1/8"
7277H	3/4"	.636"	.639"	2 1/8"
7278H	1 1/16"	.700"	.703"	2 1/8"
7279H	3/4"	.763"	.766"	2 1/8"

7270—Universal Joint, 1 1/2" long, 3/8" Square Male and Female Connections.



Cub Power Extensions

3/8" Square by 7/16" Hexagon Drive

Catalog No.	Shank Dia.	Square Drive	Hex. Drive	Overall Length
7111	5/16"	3/8"	7/16"	2 3/4"
7113	3/8"	3/8"	7/16"	5"
7115	1/2"	3/8"	7/16"	8"
7117	5/16"	3/8"	7/16"	12"



Continued on Next Page

Power and Assembly Tools (continued)

Standard Hexagon Sockets

1/2" Square Drive

Catalog No.	SIZE			Depth Punched	OUTSIDE DIA.		Overall Length
	Nominal	Minimum	Maximum		Hdls. End	Skt. End	
7414H	7/16"	.446"	.450"	1/2"	7/16"	.680"	1 1/2"
7416H	1/2"	.509"	.512"	1/2"	1/2"	.780"	1 1/2"
7418H	9/16"	.573"	.576"	1/2"	9/16"	.840"	1 1/2"
7420H	5/8"	.636"	.639"	1/2"	5/8"	.937"	1 1/2"
7422H	11/16"	.700"	.704"	1/2"	11/16"	1.031"	1 1/2"
7424H	3/4"	.763"	.767"	1/2"	3/4"	1.125"	1 1/2"
7426H	13/16"	.825"	.828"	1/2"	13/16"	1.187"	1 1/2"
7428H	7/8"	.892"	.897"	1/2"	7/8"	1.281"	1 1/2"
7429H	29/32"	.923"	.927"	1/2"	29/32"	1.312"	1 1/2"
7430H	1"	.954"	.959"	1/2"	1"	1.375"	1 1/2"
7432H	1 1/16"	1.017"	1.021"	1 1/16"	1 1/16"	1.437"	1 1/2"
7434H	1 1/8"	1.083"	1.088"	1 1/8"	1 1/8"	1.500"	2"
7436H	1 1/4"	1.146"	1.150"	1 1/4"	1 1/4"	1.562"	2"
7440H	1 1/2"	1.276"	1.280"	1 1/2"	1 1/2"	1.750"	2 1/2"



Standard Extra-Deep Hexagon Sockets

1/2" Square Drive

7316H	7/16"	.509"	.512"	9/16"	1 1/8"	.770"	3 1/4"
7318H	9/16"	.573"	.576"	1 1/8"	1 1/8"	.850"	3 1/4"
7320H	5/8"	.636"	.639"	5/8"	5/8"	.937"	3 1/4"
7322H	11/16"	.700"	.704"	1 1/8"	1 1/8"	1.031"	3 1/4"
7324H	3/4"	.763"	.767"	1 1/8"	3/4"	1.125"	3 1/4"
7326H	13/16"	.825"	.828"	1 1/8"	13/16"	1.187"	3 1/4"
7328H	7/8"	.892"	.897"	7/8"	7/8"	1.281"	3 1/4"
7330H	1 1/16"	.954"	.959"	1 1/8"	1 1/8"	1.375"	3 1/4"
7332H	1"	1.017"	1.021"	1"	1"	1.437"	3 1/4"
7334H	1 1/8"	1.083"	1.088"	1 1/8"	1 1/8"	1.500"	3 1/4"
7336H	1 1/4"	1.146"	1.150"	1 1/4"	1 1/4"	1.562"	3 1/4"



Standard Universal Hexagon Sockets and Universal Joint

1/2" Square Drive



Catalog No.	SIZE			Overall Length
	Nominal	Min.	Max.	
7474H	7/16"	.446"	.449"	1 1/8"
7475H	1/2"	.509"	.512"	1 1/8"
7476H	9/16"	.573"	.576"	2 1/8"
7477H	5/8"	.636"	.639"	2 1/8"
7478H	11/16"	.700"	.703"	2 1/8"
7479H	3/4"	.763"	.766"	2 3/8"

7470—Universal Joint, 2 3/8" long, 1/2" Square Male and Female Connections.

Standard Power Extensions



1/2" Square by 7/16" Hexagon Drive

Catalog No.	Shank Dia.	Overall Length
7121	1 1/16"	2 3/4"
7123	1 1/8"	5"
7125	1 1/4"	8"
7127	1 1/2"	12"
7128	1 3/4"	18"

1/2" Square by 5/8" Hexagon Drive

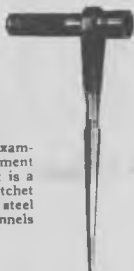
Catalog No.	Shank Dia.	Overall Length
7131	3/4"	2 3/4"
7133	7/8"	5"
7135	1"	8"
7137	1 1/8"	12"
7138	1 1/4"	18"

Engineering and Designing Service

The Plomb Engineering and Research Department, with its designers and draughtsmen, is at the service of industry. Firms or individuals are invited to submit tool problems, which will be carefully studied and a solution offered without charge. Or tools will be made to your own specifications. We are constantly producing special tools for the U. S. Army and Navy, for large corporations, the oil industry, and others, and are especially well-equipped to handle orders of this nature.

Special Ratchet

This tool is an example of special equipment produced by us. It is a 14" spud handle ratchet used for bolting steel linings in water tunnels



DRH — Adaptor Plug with Handle

Has deeply knurled hand grip, 1" diameter and 3 3/4" long, and 1/2" square adaptor plug 1 3/4" long, which extends through No. 5450 Ratchet to engage socket. 5" overall length. Finest steel, scientifically heat-treated.

U S N Slugging Wrenches



Extra heavy-duty 12-pt. wrenches from 1 1/2" to 4". We make them for U. S. Navy, but they are adaptable to all heavy industrial work. Prices on application.

CONSTRUCTION TOOLS

The tools described below have been designed especially for tower erection and other construction work. Like all Plomb Tools, they are highest quality.

TRS-3--Construction Ratchet



TRS-3 Construction Ratchet with DRH Plug and No. 5352 Socket.

This unit, as illustrated, is extensively used in tower erection work and on other construction jobs where a ratchet with a holding plug is required. The socket shown is No. 5352 Extra Deep with 12-point 1 1/16" opening, to fit 7/8" U. S. Standard hexagon nuts. However, this assembly can be used with any size socket with 1/2" square service connection.

SPECIFICATIONS

- No. 5450HD Ratchet.
- No. 5352 Extra Deep Socket, 12-Point 1 1/16" opening.
- No. DRH Adaptor Plug with Handle.
- No. TRS-2 Ratchet Wrench, without Socket.
- No. TRS-3 Ratchet Wrench Complete, as Listed.

15° Angle Construction Pattern Wrenches



Hand-forged of special alloy steel, carefully heat-treated. Head and spud point polished bright.

AMERICAN MFRS., U. S. AND S. A. E. STANDARD SIZES ON PAGE 5

No.	Milled Opening	U. S. Std. Bolts	Overall Length
2522	1 1/16"	1 1/2"	9 1/2"
2528	7/8"	1 1/4"	11"
2534	1 1/16"	3/4"	13"
2540	1 1/4"	3/4"	15"
2546			

LOS ANGELES STOCK ONLY

Open End Obstruction Wrench



15° and 90° Angle, both openings same size. This wrench really takes hold in those places where nuts and bolts are difficult of access:

Number	Openings	U. S. S. Nut Sizes
3128S	3/8"	1/2"
3134S	1 1/16"	5/8"
3140S	1 1/4"	3/4"
3146S	1 1/2"	7/8"
3152S	1 3/4"	1"

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Ball Pein Hammers



Paschall Brand ball pein hammers, made by Plumb Tool Company, are forged from a special analysis alloy steel. Special heat treatments are applied to heads and peins so the full-polished surfaces will not dent or chip under the most severe usage, while body of hammer remains tough and resilient. Handles are finest second growth hickory, carefully fitted and wedged, and each hammer is beautifully balanced and handsomely finished.



No.	Weight	Overall Length	
1301	1 oz.	9½"	
1302	2 oz.	9¾"	
1304	4 oz.	10¾"	
1306	6 oz.	11½"	
1308	8 oz.	12¼"	
1312	12 oz.	13"	
1316	1 lb.	14"	
1324	1 ½ lbs.	14½"	
1332	2 lbs.	15¾"	

Finest Quality Hammer Handles



Made of second-growth all-white hickory, straight-grained and smoothly finished.

No.	For Ham. No.	For Ham. Weighing	Length
1302H	1301-1302	1-oz. & 2-oz.	10"
1304H	1304	4-oz.	10"
1306H	1306	6-oz.	11½"
1308H	1308	8-oz.	12"
1312H	1312	12-oz.	14"
1316H	1316-1430	16-oz. & Brass Hammer	14"
1324H	1324-1332	1½-lb. & 2-lb.	16"
*1340H		2½-lb. & 3-lb.	18"

*Los Angeles stock only.

No. 1430—Brass Hammer



A general utility brass hammer that is used for many purposes, such as in body and fender work, fitting wrist pins, etc. This one is exceptionally fine quality, made of an alloy brass that is just the right hardness. Handle is first quality, carefully fitted and wedged. Approximate overall length, 11½"; weight, 1¼ lbs.

Baby Hammers

These are the first three sizes listed at left, Nos. 1301, 1302 and 1304. It is difficult to find hammers of this quality in such small sizes, and they are very much in demand among mechanics for ignition work, for use with small punches, etc. These Paschall hammers are hand-made, individually heat-treated, with full-polished head and pein.

No. EH2--3lb. Calking Hammers



Blacksmith's Hammer No. 1386



No. 1386

Forged from selected analysis steel with handle of finest hickory, perfectly balanced—three pound.

Punches, Chisels, Bars, Etc.

No. 15—Aligning Punches

No.	Stock	Length	Cut	Point
15	1/2" Round	11"	-----	1/8"
15	5/8" Octagon	16"	-----	3/16"

No. 30—Rivet Cutters

No.	Stock	Length	Cut	Point
30	7/16" Octagon	15"	1 1/2"	-----
30	5/8" Octagon	8"	3/4"	-----
30	3/4" Octagon	12"	7/8"	-----
30	7/8" Octagon	12"	1"	-----

Offset Screw Drivers

35	1/4" Octagon	3"	-----	1/4" bit
36	1/4" Octagon	4 3/4"	-----	1/4" bit
36	5/16" Octagon	5"	-----	5/16" bit
36	3/8" Octagon	6"	-----	3/8" bit
36	1/2" Octagon	7"	-----	1/2" bit

No. 41—Center Punches

41	1/4" Octagon	4 1/4"	-----	-----
41	5/16" Octagon	4 1/4"	-----	-----
41	3/8" Octagon	4 3/4"	-----	-----
41	7/16" Octagon	5"	-----	-----
41	1/2" Octagon	5 1/4"	-----	-----
41	5/8" Octagon	5 1/2"	-----	-----

No. 44—Prick Punches

44	1/4" Octagon	4 3/4"	-----	-----
44	5/16" Octagon	5"	-----	-----
44	3/8" Octagon	5 1/4"	-----	-----

No. 47—Rivet or Pin Punches

47	1/4"	5"	-----	3/4"
47	5/16"	5 1/4"	-----	1 1/8"
47	3/8"	5 1/4"	-----	5/8"
47	7/16"	5 3/4"	-----	7/8"
47	1/2"	6"	-----	1"
47	5/8"	6"	-----	1 1/8"
47	3/4"	8"	-----	1 1/2"

No. 47A Set—First 6 Punches, as listed, in No. 2403 Leatherette Roll.

No. 50—Starting Punches

50	3/16" Octagon	4 1/4"	-----	3/4"
50	1/4" Octagon	4 1/2"	-----	5/8"
50	5/16" Octagon	4 3/4"	-----	3/4"
50	3/8" Octagon	5"	-----	7/8"
50	7/16" Octagon	5 1/4"	-----	1"
50	1/2" Octagon	5 1/2"	-----	1 1/8"
50	5/8" Octagon	7"	-----	1 1/2"
50	3/4" Octagon	7 1/4"	-----	1 3/4"

No. 47A Set—First 6 Starting Punches, as listed, in No. 2403 Leatherette Roll.

Nos. 60 and 61—Oil Groovers. (See Page 67)

Nos. 72, 76 and 80—Cape, Diamond and Round

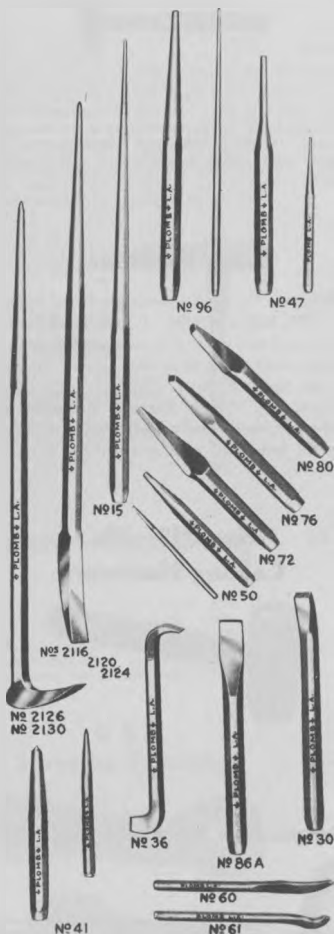
Nose Chisels (Order by No. and Stock)

-----	1/4"	4 1/2"	-----	-----
-----	5/16"	5"	-----	-----
-----	3/8"	5 1/2"	1 1/4"	-----
-----	1/2"	6"	3/4"	-----
-----	5/8"	6 1/2"	3/8"	-----
-----	3/4"	7"	1/2"	-----

No. 86A—Cold Chisels. (See Next Page)

No. 96—Long Taper Drift Punches. (See Next Page)

Nos. 2116 to 2130—Bars. (See Page 65)



PLUMB TOOLS
I HAND-FORGED I

Continued on Next Page

WAREHOUSE STOCKS IN

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No. 96--Long Taper Drift Punches

Forged from special alloy, fatigue-resisting steel, practically unbreakable. Also useful in lining up work and similar jobs. Each 10" long with 5" taper.

Stock	Length	Point
1/4"	10"	3/32"
5/16"	10"	1/8"
3/8"	10"	1/4"
1/2"	10"	3/8"
5/8"	10"	1/2"
3/4"	10"	5/8"
7/8"	10"	3/4"

No. 96A Set--Points from 3/32" to 3/16", inclusive--6 punches, in No. 2404 Roll.

No. 96B Set--Complete as listed--7 punches in No. 2404 Roll.



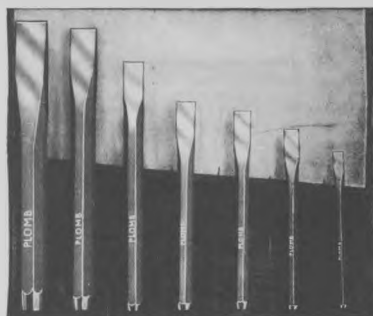
Punch and Chisel Kits

No. 1--Complete Kit, as Illustrated

Contains: 1 Prick Punch, No. 44, 1/4"; 2 Center Punches, No. 41, 3/16", 5/16"; 3 Cape Chisels, No. 72, 3/4", 7/8", 1"; 5 Rivet Punches, No. 47, 1/4"x3/32", 3/16"x1/8", 3/16"x3/32", 3/16"x1/4", 3/16"x1/2"; 3 Diamond Chisels, No. 76, 1/4", 3/8", 1/2"; 5 Starting Punches, No. 50, 1/16"x1/4", 1/8"x1/2", 3/16"x3/8", 1/4"x1/2", 3/8"x3/4"; 4 Cold Chisels, No. 86A, 1/4", 3/8", 1/2", 3/4". All in No. 2401 Leatherette Roll.

No. 2--Medium Size Kit (Not Shown)

Contains: 1 Center Punch, No. 41, 1/2"; 1 Cape Chisel, No. 72, 3/4"; 3 Rivet Punches, No. 47, 1/4"x3/32", 3/16"x1/8", 3/16"x3/32"; 1 Diamond Chisel, No. 76, 1/2"; 3 Starting Punches, No. 50, 1/16"x1/4", 1/8"x1/2", 3/16"x3/8"; 3 Cold Chisels, No. 86A, 1/4", 3/8", 1/2". In No. 2402 Leatherette Roll.



No. 86A--Special Cold Chisels

Hand-forged from the same special alloy steel as used in the famous Plumb screw drivers. In ordering, specify No. 86A, size, stock and length.

Stock	Cut	Length
1/4"	9/32"	4 1/2"
3/16"	3/8"	5"
5/16"	1/2"	5 1/2"
3/8"	5/8"	6"
1/2"	3/4"	7"
5/8"	7/8"	8"
3/4"	1"	8"
7/8"	1 1/8"	12"
1"	1 1/4"	8"
1 1/8"	1 1/2"	12"

No. 86AA Set--7 Chisels, 1/4" to 3/4"x8", inclusive, in No. 2404 Leatherette Roll.

No. 86AB Set--8 Chisels, 1/4" to 3/4"x12", inclusive, in No. 2404 Leatherette Roll.

No. 86AC Set--9 Chisels. Same as 86AB Set with addition of 7/8"x12" Chisel. In No. 2404 Leatherette Roll.



No. 3--Small Punch and Chisel Kit

Contains: No. 41, 3/8" Center Punch; No. 47, 1/4"x3/32" and 3/16"x1/8" Rivet Punches; No. 72, 3/4" Cape Chisel; No. 76, 3/8" Diamond Chisel; No. 86A, 3/16" Cold Chisel. In No. 2403 Leatherette Roll.



No. 80 Round Nose Chisels—See Pages 72 and 73



No. 78 Diamond Point Chisels—See Pages 72 and 73



No. 72 Cape Chisels—See Pages 72 and 73



No. 41 Center Punches—See Pages 72 and 73



No. 86 Standard Length Chisels



No. 86 Long Chisels



No. 27 Ripping Chisels (Floor Chisels on Page 76)



No. 37 Soil Pipe Chisels



No. 8 Wrecking Bars

No. 86--Cold Chisels

These popularly priced chisels are far superior to the majority of general-purpose chisels on the market. Hand-forged from tough carbon tool steel made to our own specifications, they contain no "off-heat" steel or steel not up to standard specifications. Carefully heat-treated far enough back so they may be sharpened countless times. Heads will stand thousands of heavy blows without mushrooming.

Economical and long-lasting for general use. For our finest chisels, see the No. 86A Chisels on Page 71.

No.	No.	Stock	Cut	Length
86 3/16	86A 3/16	3/16"	7/32"	4 1/4"
86 1/4	86A 1/4	1/4"	1/2"	4 1/2"
86 5/16	86A 5/16	5/16"	3/8"	5"
86 3/8	86A 3/8	3/8"	7/16"	5 1/2"
86 7/16	86A 7/16	7/16"	1/2"	5 3/4"
86 1/2	86A 1/2	1/2"	1/2"	6"
86 5/8	86A 5/8	5/8"	5/8"	7"
86 3/4	86A 3/4	3/4"	3/4"	8"
86 7/8	86A 7/8	7/8"	7/8"	8 1/2"
86 1	86A 1	1"	1"	9"
86 1 1/8	86A 1 1/8	1 1/8"	1 1/8"	10"
86 1 1/4	86A 1 1/4	1 1/4"	1 1/4"	11"
86 1 1/2	86A 1 1/2	1 1/2"	1 1/2"	12"

No. 27—Ripping Chisels

Long, tough, heavy-duty chisels popular with carpenters and plumbers. Stand up under rough, hard usage. Curved blade gives knuckle clearance.

No.	Stock	Cut	Length
27	1 1/4"	1 1/4"	17"

No. 37—Soil Pipe Chisels

In great demand for the difficult job of cutting soil pipe. Rounded edge gives maximum cutting surface at point of contact, regardless of angle of chisel. Cuts soil pipe quicker and easier than a regular cold chisel.

37	1/2"	3/8" Cut	5 1/2"
37	3/4"	3/4" Cut	6"
37	1"	1" Cut	6 1/2"
37	1 1/4"	1 1/4" Cut	7"

No. 8—Ripping or Wrecking Bars

Unsurpassed in quality, practically unbreakable because hand-forged from finest steel. Heat-treated to make claw and chisel end hard and tough. Claw will pull any nail or screw, whether it has a head or not.

No.	Stock	Length
8	5/8"	18"
8	3/4"	21"
8	1"	24"
8	1 1/4"	30"
8	1 1/2"	30"

WAREHOUSE STOCKS IN

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No. 13—Plomb Star Drills

These supreme quality hand-forged star drills are made from fatigue- and shock-resisting alloy steel. Absolutely guaranteed against breakage in service. Wings have proper filet and taper for maximum strength, long enough to permit sharpening with file or grinding back on water-cooled grindstone, yet not long enough to bind in hole. They center easily.

No.	Stock	Cut	12" Long	18" Long
13	1/4"	1/4"	x	-----
13	1/2"	5/16"	x	-----
13	3/8"	3/8"	x	-----
13	7/16"	7/16"	x	-----
13	1"	1"	x	-----
13	1 1/8"	1 1/8"	x	x
13	1 1/4"	1 1/4"	x	x
13	1 1/2"	1 1/2"	x	x
13	1 3/4"	1 3/4"	x	x
13	2"	2"	x	x
13	2 1/4"	2 1/4"	x	x
13	2 1/2"	2 1/2"	x	x

x indicates drill is made in length shown. Order by No. and Stock.

No. 13P—Paschall Star Drills

Made for the customer who wants a good drill at a low price. For all ordinary purposes these are the best star drills offered for the money by any manufacturer.

No.	Stock	Cut	Length
13P	1/4"	1/4"	12"
13P	1/2"	5/16"	12"
13P	3/8"	3/8"	12"
13P	7/16"	7/16"	12"
13P	1"	1"	12"
13P	1 1/8"	1 1/8"	12"
13P	1 1/4"	1 1/4"	12"
13P	1 1/2"	1 1/2"	12"
13P	1 3/4"	1 3/4"	12"
13P	2"	2"	12"

No. CG—Concrete Gads

Gradual taper facilitates entrance of gad into pavement. Will not wedge in. Heat-treated to make them withstand an enormous amount of pounding through concrete.

CG	3/4"	-----	12"
CG	7/8"	-----	12"
CG	1"	-----	18"
CG	1 1/8"	-----	12"
CG	1 1/4"	-----	18"
CG	1 1/2"	-----	12"
CG	1 3/4"	-----	18"

No. 38—Screw Driver Bits

Forged of special alloy steel; will not break. Ground true to size and carefully heat-treated. Square taper hand-forged to fit standard bit brace chuck. The best screw driver bits made.

38	1/4"	1/4" Bit	4 1/2"
38	5/16"	5/16" Bit	4 1/2"
38	3/8"	3/8" Bit	4 1/2"
38	7/16"	7/16" Bit	4 1/2"



No. 50 Solid Punches. See Pages 70 and 71



No. 47 Pin or Rivet Punches. See Pages 70 and 71



No. 44 Prick Punches. See Pages 70 and 71



No. 13 Plomb Star Drills



No. 13P Paschall Star Drills



No. CG Concrete Gads or Bull Points



No. 38 Screw Driver Bits



No. 35 and 36 Offset Screw Drivers. See Page 53



No. 18—Scratch Awl



No. 19 Scratch Awl



No. 4 Plugging or Mortar Chisels



No. 23 Brick Sets



No. 5 Floor or Wood Chisels



No. 99 Tack Puller



Nos. 2236 and 2238 Wrench Pliers

Scratch Awls

No.	Size	Stock	Length	Wt. Doz.
18	$\frac{3}{16}$ "	Square	7"	2 $\frac{1}{2}$ lbs.
19	$\frac{3}{16}$ "	Oct.	7"	$\frac{3}{4}$ lbs.

No. 4—Plugging Chisels

No.	Stock	Blade	Length
4	$\frac{5}{8}$ "	$\frac{1}{4}$ " Cut	10"

No. 23—Brick Sets

Forged from one piece of steel, instead of having handle welded on, as in most brick sets on the market.

No.	Width Cut	Length
23	$\frac{3}{16}$ "	6 $\frac{3}{4}$ "
23	4"	7 $\frac{1}{4}$ "

No. 5—Floor or Wood Chisels

These all-steel wood chisels stand up under cutting conditions that wreck ordinary carpenters' wood chisels.

No.	Stock	Width of Cut	Blade Length	Overall Length
5 $\frac{1}{16}$ "	$\frac{1}{16}$ "	$\frac{1}{16}$ "	4 $\frac{1}{4}$ "	10"
5 $\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{3}{8}$ "	4 $\frac{3}{8}$ "	10"
5 $\frac{1}{4}$ "	$\frac{1}{4}$ "	1"	4"	10"
5 $\frac{1}{2}$ "	$\frac{1}{2}$ "	1 $\frac{1}{4}$ "	4 $\frac{1}{2}$ "	10"

No. 99—Tack Puller

A tool of real quality. Claw is forged, sharpened, and heat-treated. Overall length 6 $\frac{3}{4}$ ".

Plumb Wrench Pliers

A whole kit of wrenches in one tool. Jaws built at an angle of 22 degrees, adjustable end-wrench style, with milled pipe wrench teeth.

No. 2236—6" size, range of jaws to $\frac{3}{8}$ ". Weight per doz., 6 lbs.

No. 2238—8" size, range of jaws to 1 $\frac{1}{8}$ ". Weight per doz., 9 lbs.

No. 28—Boilermakers' Beaders

No.	Stock	Length
28	$\frac{3}{4}$ "	8"

No. 68—Tinnerns' Octagon Chisels

No.	Stock	Cut	Length
68	$\frac{7}{16}$ "	$\frac{7}{8}$ "	$4\frac{3}{4}$ "

No. 70—Tinnerns' Wire Chisels

Flat, thin blade and handle do not bind in cut, and chisel will not roll off bench.

No.	Stock	Length
70	$\frac{1}{4}$ "x $\frac{1}{2}$ "	$4\frac{3}{4}$ "

Packing Hooks

No. 2020—Length 8", 90° hook.

No. 2021— $\frac{1}{4}$ " stock, $12\frac{1}{4}$ " long, curved as shown.

No. 2022— $\frac{5}{16}$ " stock, $14\frac{1}{16}$ " long, curved as illustrated.

No. T1-2—Tile Hammers

Carefully designed, accurately forged and scientifically heat-treated to provide the tile-setter with a hammer of highest quality.

No.	Stock	Length Head	Length Pin
T1-2	$\frac{1}{4}$ " sq.	$3\frac{3}{4}$ "	$2\frac{1}{4}$ "

No. 62—Flat Tile Chisels

Hand-forged from selected steel and heat-treated to cut any type of glazed tile.

No.	Stock	Cut	Length
62	$\frac{1}{4}$ "	$\frac{7}{16}$ "	5"
62	$\frac{1}{4}$ "	$\frac{9}{16}$ "	5"

No. 63—Diamond Tile Chisels

The very fine sharp point will penetrate the glazed surface easily, making a hole for drill or bolt.

No.	Stock	Length
63	$\frac{1}{4}$ "	5"



No. 28 Boilermakers' Beaders



No. 68 Tinnerns' Octagon Chisels



No. 70 Tinnerns' Wire Chisels



No. 2020—Packing Hook



No. 2021—Packing Hook



No. 2022—Packing Hook



No. T1-2 Tile Hammers



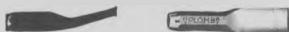
No. 62 Flat Tile Chisels



No. 63 Diamond Tile Chisels



No. 20 Elbow Calkers



No. 21 Pony Calkers



No. 31 Short Gasket Calkers



No. 131 Long Gasket Calkers



No. 033 Offset Calkers



No. 33 Long Calkers



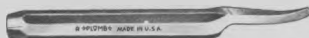
No. 108 Water Main Calkers



No. CC Ceiling Calkers



No. RL Right and Left Calkers



No. LP Lead Picking Tools

Plumbing Tools

No. 20—Elbow Calkers

The 45° angle gets into places inaccessible to Nos. 31 and 33 calkers, described below. Ground straight.

No.	Stock	Blade	Length
20	1½"	1½" Wide	4¾"

No. 21—Pony Calkers (Pair)

21	1½"	¾" Wide	3"
----	-----	---------	----

Gasket Calkers

31	5/8"	Short	6¼"
31	¾"	Short	7"
131	5/8"	Long	9½"
131	¾"	Long	10"

No. 033—Offset Calkers (Pair)

No.	Stock	Blade	Length
033	½"	¾" Wide	5¾"
033	¾"	¾" Wide	6¼"
033	¾"	1" Wide	7"

No. 33—Long Calkers (Pair)

Used for calking lead in hub of soil pipe. Ground both inside or outside; concave blades fit 4" pipe.

33	½"	¾" Wide	5½"
33	5/8"	¾" Wide	5¾"
33	¾"	1" Wide	6¾"

Water Main Calkers

Do a good, fast job of calking joints in heavy cast iron water mains. Ground square; handle offset for knuckle clearance.

108	7/8"	5/8" x 1"	8"
108	7/8"	1/2" x 1"	8"
108	7/8"	1/2" x 1"	8"
109	¾"	¾" x 1"	8"

No. CC—Ceiling Calkers

CC	5/8"	9"
----	------	----

No. RL—Right and Left Calkers

Calk joints near walls or in corners where Nos. 31 or 33 calkers cannot be used. Made both right and left, ground either inside or outside. Come in pairs.

RL	5/8"	9"
----	------	----

Broad Curved Nose Calking Iron

No.	Stock	Width	Length
110	5/8"	1½"	8"

Lead Picking Tools

New and modern in design that gives them a wide preference over similar types now on the market.

No.	Stock	Length	
111L	¾"	8½"	
111R	¾"	8½"	
LP1	½"	9"	Straight Pattern
LP2	½"	9"	Offset R. & L. (Pr.)

Plumbing Tools (cont.)

No. 6—Spring Yarning Irons

Blade is spring steel and is slightly offset for clearance.

No.	Stock	Width	Length
6	1/2"	10 1/2"	11 1/2"
6	1/2"	10 1/2"	18"
6	5/8"	11 1/2"	12"
6	5/8"	11 1/2"	18"
6	3/4"	14"	14"

No. 139—Spud Wrenches

Forged from spring steel. Light and handy. Not heat-treated, so jaws can be hammered closer together or spread if necessary. Far superior to the cheap, heavy cast wrenches usually offered to the trade. For use on 1 1/2" or 2" spuds.

No. 139—2"x2 1/2" openings; 10 1/2" long.

No. 141—Spud Chucks

A wrench or holder for hollow work such as closet spuds of all sizes, sink and tray strainers, plugs, bath or basin fittings, etc. Expanded full 1/4" by eccentric spindle. Holds positively. Slips into 1", 1 1/8", 1 1/4", 1 1/2" and 2" when closed.

No. EH2—3-lb. Water Main Calking Hammers

Made of finest quality steel, with polished faces, scientifically heat-treated. Design, balance and weight just right for easy work.

EH2	1 3/4" Oct.	Wt. 3 lbs.	8" hdl.
-----	-------------	------------	---------

No. 107—Water Keys

107	9 1/2"	Slot 3/2"x3/8"	24"
-----	--------	----------------	-----

Tubing Expanders

No.	Length	Steps	Expands Pipe to
136	1 1/2"	3	1 1/4", 1 1/2", 1 3/4"

No. 14—Offset Yarning Irons

No.	Stock	Width	Length
14	1/2"	10 1/2"	11 1/2"
14	5/8"	11 1/2"	9"
14	5/8"	11 1/2"	12"
14	5/8"	11 1/2"	18"
14	3/4"	14"	14"

No. B1—Bending Irons

BI-8	1/2"	10"
BI-9	5/8"	10"



No. 6 Spring or Packing Yarning Irons



No. 139 Spud Wrenches



No. 141 Spud Chucks



No. EH2 Water Main Calking Hammers



No. 107 Water Keys



No. 136 Tubing Expanders



No. 14 Offset Yarning or Packing Irons



No. B1 Bending Irons

Garage, Pry and Gear Bars

New type Gear Bar, with 90° rolling head, is especially valuable for getting into close places behind gears, etc.

No.	Octagon Stock	Length	Weight
2126	16"	16"	3/4 lb.
2130	18"	18"	1 1/2 lbs.

Conventional Type Garage Bars

No.	Octagon Stock	Length	Weight
2116	16"	16"	3/4 lb.
2120	18"	18"	1 1/2 lbs.
2124	24"	24"	2 3/4 lbs.

No. 8--Ripping or Wrecking Bars

Unsurpassed in quality, practically unbreakable because hand-forged from finest steel. Heat-treated to make claw and chisel end hard and tough. Claw will pull any nail or screw, whether it has a head or not.

No.	Stock	Length
8	3/8"	18"
8	3/8"	21"
8	3/8"	24"
8	3/8"	30"
8	3/8"	30"

Plumb Pliers

No. 2040—Adjustable Water Pump Pliers

Over all length 9 1/2". 7 slip joints. Head 1/4" thick; 45° angle. Every part finest steel, individually heat-treated; bolt replaceable. Full polished finish.

No. 2040B -Bolt and nut only for No. 2040 Pliers.

No. 2218—Special Battery Pliers

Overall length, 7 3/4"; handles, 6 3/4" long from head bolt. Jaws, 3/8" thick at points, tapered to clear obstructions. Deeply knurled handles. Milled jaws. Full polished finish.

No. 2039—Special Ignition Pliers

5" overall length. 3 slip joints. Milled teeth on both jaws. Angle of head, 30°. Replaceable bolt. Full polished finish.

No. 2039B—Bolt and nut only.

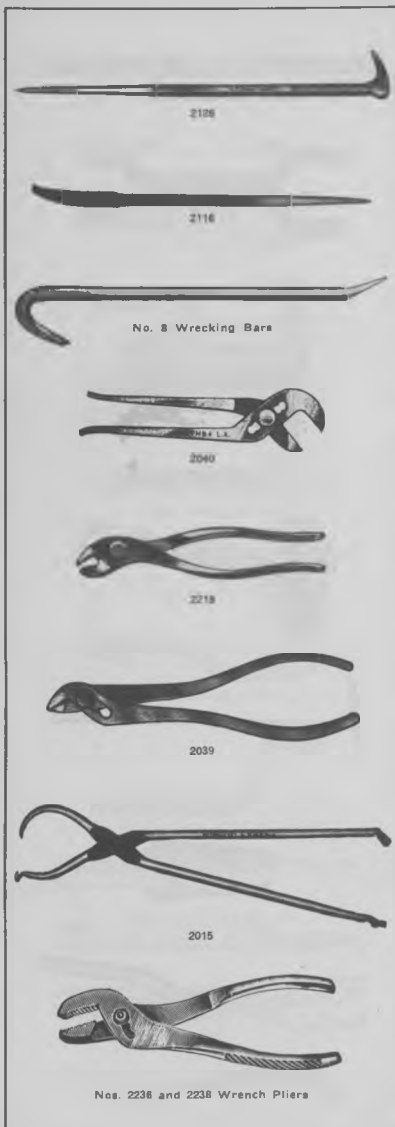
No. 2015—Brake Spring Pliers

Overall length, 12 3/4". Polished blue finish. Each handle end shaped for a particular operation in manipulating brake springs.

Plumb Wrench Pliers

No. 2236—6" size, range of jaws to 7 7/8". Weight per doz., 6 lbs.

No. 2238—8" size, range of jaws to 1 1/8". Weight per doz., 9 lbs.



Nos. 2236 and 2238 Wrench Pliers

GUARANTEE: Plumb Tools are forged from the finest steels, scientifically heat-treated. They are guaranteed to perform the work for which they are designed and intended to be used, and to last as long as is consistent with ordinary wear and tear. Any Plumb Tool that may be found defective in workmanship or material, and is returned to the factory, charges prepaid, will, at our option, be replaced, or repaired, or credited at current prices.